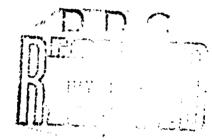
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July 1971

THE VARIATION OF SHOCK FRONT PROPERTIES FROM A 1-KT. EXPLOSION WITH ALTITUDE

Edward J. Kownacki

NATIONAL TECHNICAL INFORMATION SERVICE Springfield, Va 22151

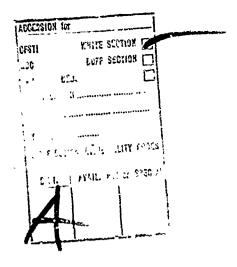


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Defense Nuclear Agency
Washington, D.C. 20305







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THE VARIATION OF SHOCK FRONT PROPERTIES FROM A 1-KT. EXPLOSION WITH ALTITUDE

Edward J. Kownacki

HEADQUARTERS
Defense Nuclear Agency
Washington, D.C. 20305

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ACKNOWLEDGMENT

This work was done at the request of and under the general direction of Mr. Jack R. Kelso. The advice and assistance of Mr. Louis J. Belliveau is acknowledged.

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ABSTRACT

A computer program was developed to present shock front properties in the form of isovalues as functions of altitude of burst and range. This program consisted of a Sachs' scaling routine and a log-log interpolation routine. It was found that overpressure, density, and Rho-U decrease with increasing altitude; particle velocity, density ratio, pressure ratio, and shock strength increase with increasing altitude; thermal flux density and dynamic pressure remain relatively unchanged with increasing altitude.

TABLE OF CONTENTS

Se		Page
	Acknowledgment	iii
	Abstract	iv
1	Introduction	1
2	Discussion	2
	2-1. General	2
	2-2. Shock front properties	2
	2-3. Thermal flux density	2
	2-4. Saindard 1-kt. nuclear free air pressure-distance curve for	•
	sea-level conditions	2
	2-5. Standard 1-kt. nuclear thermal flux-distance curve for sea-	2
	2-6. Altitude corrections-Sachs' scaling	2
	2-7. Energy partition for blast and thermal as a function of altitude	4
	2-8. Presentation of shock front properties (Rankine-Hugoniot relations)	_
	versus altitude curves and thermal flux density versus altitude	
	curves	7
	2-9. Yield corrections	12
3	Conclusions	13
· ·		
4	Bibliography	14
Appendix		
I	Interpolation scheme	15
п	Fortran programs and printouts	17
_	A. Subroutine RP 1271	18
	B. Subroutine ARDC	19
	C. Peak overpressure program	20
	D. Peak overpressure printout	21
	E. Dynamic pressure program	22
	F. Dynamic pressure printout	23
	G. Particle velocity printout	24
	H. Density ratio printout	25
	I. Rho-U printout	26
	J. Pressure ratio program	27
	K. Pressure ratio printent	28
	L. Shock strength printout	29
	M. Density printout	30
	N. Thermal flux program	31
	(). Thermal flux printout	32
-	Distribution list	33

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LIST OF ILLUSTRATIONS

Figure		Page
2-1	1-kt., sea-level overpressure curve in the range 1,700 to	
	0. 00016 p.s.i	3
2-2	1-kt. thermal flux curve for sea-level conditions	3
2-3	Blast yield reduction with altitude	5
Ż-7	Thermal partition function for 1 kt.	5
2-5	Effective biast yield versus burst altitude	6
2-6	Free-field overpressure (p. s. i.) as a function of altitude and range	8
2-7	Dynamic pressure (p. s. i.) as a function of altitude and range	8
2-8	Particle velocity (ft. /sec.) as a function of altitude and range	9
2-9	Density ratio as a function of altitude and range	9
2-10	Rho-U (slugs/(in. 2-sec.)) as a function of altitude and range	10
2-11	Pressure ratio as a function of altitude and range	10
2-12	Shock strength as a function of altitude and range	11
2-13	Density (slugs/(ftin.2)) as a function of altitude and range	11
2-14	Thermal flux density (cal./cm. ²) as a function of altitude and range	12
3-1	Free-field overpressure (p. s. i.), thermal flux density (cal./cm. 2),	
	and particle velocity (ft. /sec.) for 1 kt	13

SECTION 1

INTRODUCTION

The standard scientific presentation of weapons effects information is in the form of universal curves as in NOLTR-69-88¹ and EM-1.² For engineering purposes a presentation in the form of isovalues in the desired quantities on a chart of altitude and damage ranges may provide a more significant insight into the altitude dependence of isovalue ranges. The obtaining of these preselected isovalues is a standard and somewhat tedious problem in cross plotting and interpolation. Sachs' scaling and interpolation computer routines were obtained from NOL³ and modified to incorporate logarithmic interpolation.

Lehto, E. L., and Larson, R. A. "Long Range Propagation of Spherical Shock Waves from Explosions in Air." NOLTR-69-88. (Unclassified)

² "Capabilities of Nuclear Weapons," EM-1. (Confidential)

Lehto, D. L., various private communications on computer programs for Sachs' scaling and interpolation schemes.

SECTION 2

DISCUSSION

2-1. GENERAL. Damage to aeronautical and missile systems within the sensible atmosphere (0 to 100,000 feet altitude) from nuclear weapons effects is expressible in terms of damage distances for damage environments, such as overpressure, dynamic pressure, thermal radiation, neutron and X-ray flux, etc. For some systems the dominant or largest damage distances are associated with hydr dynamic shock front properties or thermal radiation. These systems are generally aeronaynamic vehicles, such as aircraft, cruise missiles, and low-altitude-point defense missiles, such as the 3T¹ s, Nike, or Sprint.

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- 2-2. SHOCK FRONT PROPERTIES. The hydrodynamic shock front properties of interest to aero-dynamic vehicles can be defined by a system consisting of a sea-level, 1-kt, pressure-distance curve and a means of obtaining altitude and yield corrections to this basic curve.
- 2-3. THERMAL FLUX DENSITY. The thermal flux density (Q) is defined by the formula $Q = fWc/R^2$, where R is the range, f is the thermal partition function. W is the yield, and c is a constant containing dimension factors and the transparency factor (T) of the atmosphere (in our case T = 1, perfect transparency).
- 2-4. STANDARD 1-KT. NUCLEAR FREE AIR PRESSURE-DISTANCE CURVE FOR SEA-LEVEL CONDITIONS. The data for the 1 kt., sea-level everpressure curve-was provided by two sources:

This data is listed as Subroutine RP1271 and plotted in figure 2-1.

- 2-5. STANDARD 1-KT. NUCLEAR THERMAL FLUX-DISTANCE CURVE FOR SEA-LEVEL CONDITIONS. The thermal flux density formula used was Q = 7.96 fW/ R^2 , where 7.96 includes the transparency factor (1), the dimensionless factor $\frac{1}{4\pi}$, and the unit factor to give Q in terms of cal./cm.². The sea-level, 1-kt. thermal flux density is found plotted in figure 2-2.
- 2-6. ALTITUDE CORRECTIONS-SACHS' SCALING. The altitude corrections applied are the usual Sachs' scaling relationships:

$$\frac{\Delta P_1}{P_1} = \frac{\Delta P_2}{P_2}$$

When:

$$R_1 \begin{bmatrix} P_1 \\ \overline{W_1} \end{bmatrix}^{1/3} = R_2 \begin{bmatrix} P_2 \\ \overline{W_2} \end{bmatrix}^{1/3}$$

Where:

 ΔP_1 and ΔP_2 are overpressures for point 1 and point 2, respectively, P_1 and P_2 are the respective atmospheric pressures, R_1 and R_2 are the respective ranges, and W_1 and W_2 are the respective yields.

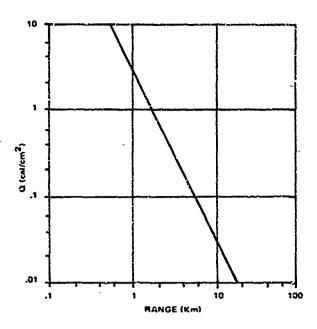


Figure 2-1, --1-kt., sea-level everpressure curve in the range 1,700 to 0,00016 p.s.i.

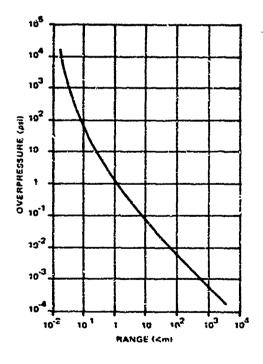


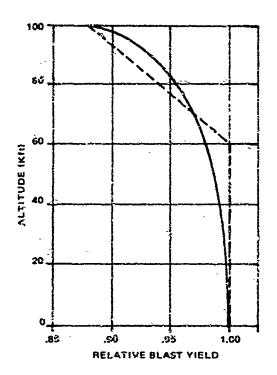
Figure 2-2. --1-kt. thermal flux curve for sea-level conditions.

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- 2-6.1 Subroutine ARDC provides pressure, temperature, and density of the standard atmosphere. The data was provided by R. A. Minzer, K. S. W. Champion, and H. L. Pond in "The ARDC Model Atmosphere," 1959, Air Forces Surveys in Geophysics No. 115 (AFCRC-TR-59-267), Air Force Cambridge Research Center, August 1959.
- 2-6.2 Using the everpressure-range curve of Subroutine RP1271 as the base curve, and the atmospheric pressures generated by subroutine ARDC, the overpressures for any altitude and any corrected yield (in this exercise $W_1 = W_2$) can be calculated.
- 2-7. ENERGY PARTITION FOR BLAST AND THERMAL AS A FUNCTION OF ALTITUDE. The yield corrections which are applied are obtained from the more formally correct radiation-hydrodynamic computer code calculations. These corrections are, unfortunately, functions of yield, distance, and altitude; but, for the range of hydrodynamic front and thermal radiation variables of interest in this memorandum, the yield correction is assumed to be a simple function of altitude only. The simplifications used in this memorandum are straight-line approximations to the curves presented in EM-1, and are applied first to the overpressure dependent qualities, and then independently to the thermal radiation.
- 2-7.1 The blast yield reduction with altitude function was taken from the effects manual, !!Capabilities of Nuclear Weapons, if I January 1968, and the thermal partition function was taken from chapter 3, "Thermal Radialica Phenomena, "KN-68-504(R), 26 May 1969. These two functions are found plotted as figures 2-3 and 2-4. Also plotted are the straight-line approximations which were used in the computer program.

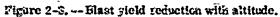
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- 2-7.2 These straight-line approximations were used mainly for the purpose of facilitating computer time. There is no simple functional dependence between altitude and the quantities, and so to avoid feeding in all the data points for every possible altitude, the straight-line approximation was adopted.
 2-7.3 For the blast yield reduction curve, the greatest difference occurs around 80 kd., where there is a difference of 0.02 (approximately 2-percent error) between the curve and the approximation. The curve and the approximation agree quite well over the whole altitude range, the error being less than 1 percent over most of the range.
- 2-7.4 The blast yield reduction curve can be compared with a plot of the maximum computed effective blast yield in DASA 1290. This plot is shown in figure 2-5. The straight-line approximation used in the program was fitted to the curve, not to the envelope of figure 2-5, because in the altitude range of interest there are only two computations (at 105 kft.), and the curve intersects these points while the envelope does not. The function used is considered conservative for defense purposes, as in sure-servival studies on aircraft.



Actual Curves

Straight Line Approximations



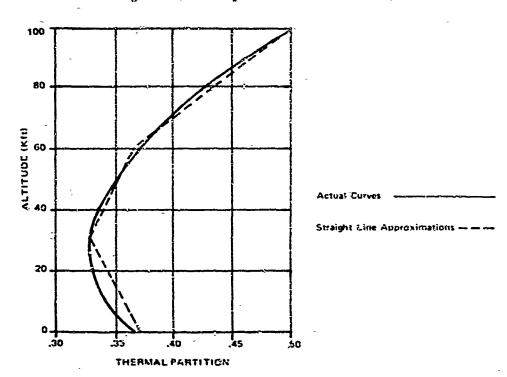
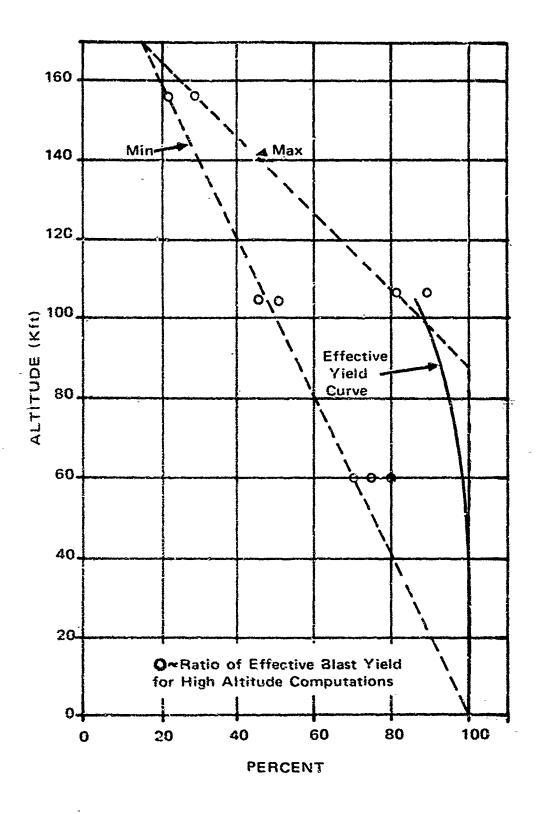


Figure 2-4. - Thermal partition function for 1 kt.

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Figure 2-5. -- Effective blast yield versus burst altitude.

- 2-7.5 For the thermal partition function, the greatest difference occurs around 20 kft., where there is a difference of 0,01 (approximately 2-percent error) between the curve and the approximation. For the majority of altitudes, the error is less than 1 percent.
- 2-8. PRESENTATION OF SHOCK FRONT PROPERTIES (RANKINE-HUGONIOT RELATIONS)
 VERSUS ALTITUE CURVES AND THERMAL FLUX DENSITY VERSUS ALTITUDE CURVES.
 The Rankine-Hugoniot relations enable the calculation of density, density ratio, particle velocity, pressure ratio, shock strength, and dynamic pressure behind the shock front if the peak overpressure is given.
- 2-8.1 The program presented is not the most efficient program because a slight rearrangement of cards is necessary when changing from interpolation of one quantity to another (i.e., overpressure to dynamic pressure, density to thermal flux density, etc.). The card rearrangement is simple and straightforward and preferable to one gigantic, complex program that would just be nine programs added together. This simple card rearrangement can be seen in the sample programs presented in appendix II.
- 2-8.2 The peak overpressure isovalues are presented in figure 2-6, the dynamic pressure isovalues in figure 2-7, the particle velocity in figure 2-8, the density ratio in figure 2-9, the particle velocity × density (Rho-U) in figure 2-10, the pressure ratio in figure 2-11, the shock strength in figure 2-12, and the density in figure 2-13.
- 2-8.3 All quantities were plotted from sea level to 100-kft. altitude, except for density, which is plotted only from sea level to 40 kft. in the most advantageous cases. The reason for this can be discerned by doing a few simple calculations.
- 2-8.4 The formula for density is DENSITY = 0.0764575 × DRATIO × $\frac{7+6}{7+}\frac{POVPA}{POVPA}$ where POVPA = OVP PSIAME. Since DRATIO = 1 at sea level, the minimum and maximum values of DENSITY are entirely dependent on the theoretical limits of OVP.

If OVP = 0, DENSITY = 0.076475 If OVP = ∞ , DENSITY = 0.076475 \times 6 = 0.45885 At 50 kft., DRATIO = $\frac{0.011709}{0.076475}$.

Therefore, if OVP - ∞ , DENSITY = 0.076475 $\times \frac{0.011709}{9.076475} \times 6 = 0.070254$.

- 2-8.5 Since the highest possible value of DENSITY at 50 lft, is less than the lowest possible value of DENSITY at sea level, it is impossible to produce a plot that will have an altitude dependence from sea level to greater than 40 kft.
- 2-8.6 The thermal flux density isovalues are presented in figure 2-14.

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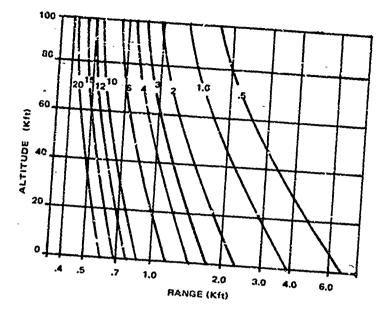


Figure 2-6. -- Free-field overpressure (p. s. i.) as a function of altitude and range.

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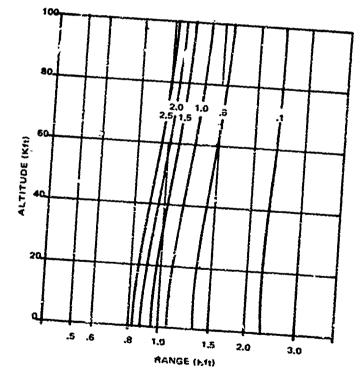


Figure 2-7. -- Dynamic pressure (p. s. i.) as a function of altitude and range.

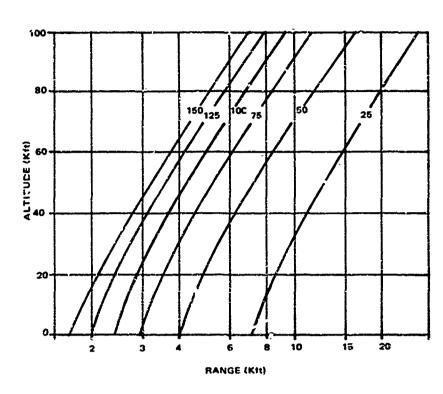


Figure 2-8. -- Particle velocity (ft. /sec.) as a function of aititude and range.

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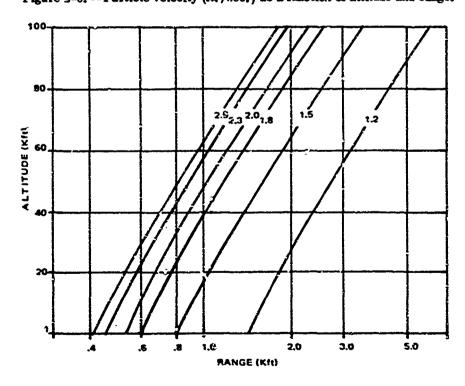


Figure 2-9. -- Density ratio as a function of altitude and range,

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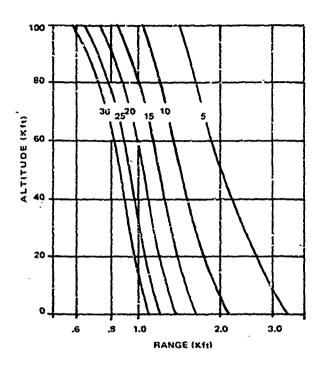
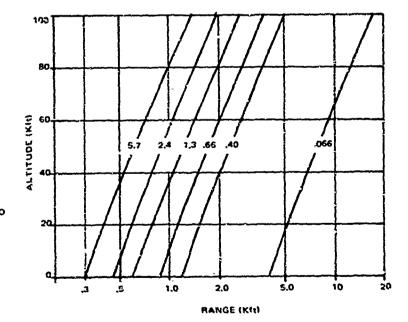


Figure 2-16. -- Rho-U (slugs/(in. 2-sec.)) as a function of altitude and range.



Menter Miller South Sout

ALT * 0 KFT
OVERPRESSURE FRESSURE RATIO
83.8 psi 5.7
35.3 " 2.4
19.1 " 1.3
9.71 psi .66
5.88 " .40
,97 " .066

Pressure Satio - Overpressure

Figure 2-11, -- Pressure ratio as a function of altitude and range.

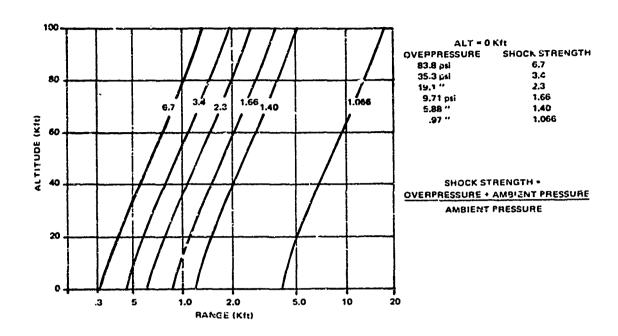


Figure 2-12. -- Shock strength as a function of altitude and range.

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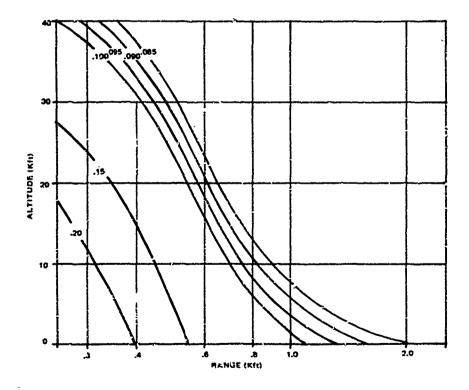
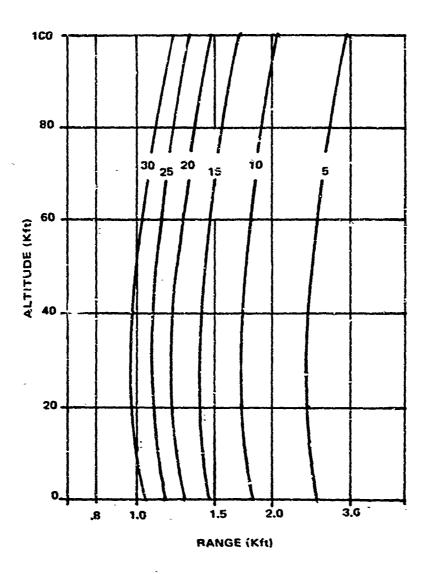


Figure 2-13. - Density (slugs/(ft. -in. 2)) as a function of altitude and range.

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2-9. YIELD COPRECTIONS. Distance approximations for values of yield other than those presented in this memorandum may be obtained by muttiplying the range by the cube root of the yield for hydrodynamic properties and the square root of the yield for thermal radiation. Discrepancies in the yield-correction factors are masked somewhat by the cube root and square root dependence, but very large yield variations may require more accurate estimates of the yield-corrections factor as presented in EM-1.



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Figure 2-14. -- Thermal flux density (cal. /cm. 2) as a function of altitude and range.

SECTION 3

CONCLUSIONS

3-1. It is found that overpressure, density, and Rho-U decrease with increasing altitude; particle velocity, pressure ratio, shock strength, and density ratio increase with increasing altitude; thermal flux density and dynamic pressure remain relatively unchanged with increasing altitude.

3-2. This type of presentation should be very useful in determining approximate sure-kill and/or sure-survival ranges for the various aerodynamic vehicles. By placing the various isovalues on a single chart, a sure-kill envelope could be drawn for the range 0 to 100,000 feet. For example, if the sure-kill criteria is an overpressure of 2 p.s.i., a particle velocity of 100 ft./sec., or a thermal flux density of 20 cal./cm.², and a sure-survival criteria is an overpressure of 1 p.s.i., a particle velocity of 50 ft./sec., or a thermal flux density of 10 cal./cm.², then the determining

sure-kill/sure-survival range for a 1-kt, explosion is entirely dependent on the particle velocity, as

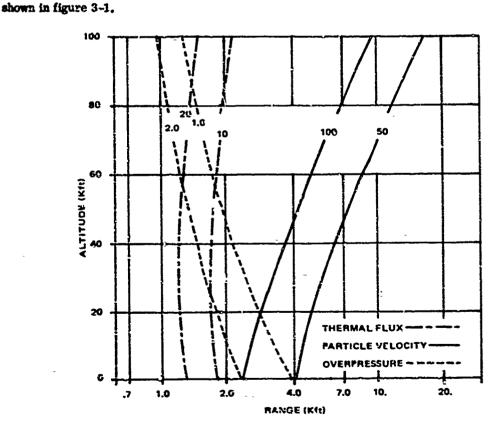


Figure 3-1. -- Free-field overpressure (p. s. i.), thermal flux density (cai./cm.²), and particle velocity (ft./sec.) for 1 kt.

SECTION 4

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- 1. "Nuclear Weapons Blast Phenomena." US59 (DASA 1200), March 1960.
- "Long Range Propagation of Spherical Shockwaves from Explosions in Air." NOLTR 69-88, 22 July 1969.
- 3. Effects manual, "Capabilities of Nuclear Weapons," 1 January 1968.
- 4. "Thermal Radiation Phenomena." KN-68-504(R), Chapter 3, 26 May 1969.
- 5. "The ARDC Model Atmosphere." Air Force Surveys in Geophysics No. 115 (AFCRC-TR-59-267), 1959.

APPENDIX I

INTERPOLATION SCHEME

The interpolation scheme used is a straight-line approximation scheme; i.e., it is assumed that in a well-behaved region of a curve, two points can be chosen, and the straight line defined by these points can be used to generate a value of R that will approach the desired value of R. By repeated use of this scheme, the desired value of R can be approached to within any desired accuracy. The program actually used an accuracy of 0.1 percent in R.

An initial value of R_1 is chosen, and then R_2 is chosen to be equal to $2R_1$. The scheme is as follows:

$$slope = \frac{f(R_1) - f(R_2)}{R_1 - R_2}$$
 obviously,
$$slope = \frac{f(R_1) - f(R_{desired})}{R_1 - R_{new}}$$
 therefore,
$$R_{new} = \frac{R_1 + f(R_{desired}) - f(R_1)}{3lope}$$
.

If $|R_{new} - R_1| \le 0.001R_1$, then R_{new} is indeed $R_{desired}$. If $|R_{new} - R_1| > 0.001R_1$, then

$$R_1 = R_2$$

$$R_2 = R_{\text{new}}$$

and another value of R is generated until the condition of $\left|R_{new} - R_1\right| \le 0.001R_1$ is met.

This method of interpolation is valid as long as the following conditions are met:

- (1) $f(R_1) = f(R_2)$ for $R_1 = R_2$
- (2) f(R) is continuous over the specified range
- (3) f'(R) is continuous over the specified range.

Obviously, the closer f(R) is to a straight line, the faster this scheme will work. For this reason, since the base curve overpressure plot, which is the main curve for calculating most of curquantities, has a dependence on R similar to $R^{-exponent}$, and $Q = R^{-2}$, a log-log plot was used; that is, instead of slope = $\frac{f(R_1) - f(R_2)}{R_1 - R_2}$, the formula slope =

$$\frac{\log f(R_1) - \log f(R_2)}{\log R_1 - \log R_2}$$
 was used.

The use of this latter formula is more than just a convenience, it is a necessity when R approaches 0. At this point (R = 0), the necessary conditions that f(R) and f'(R) be continuous no

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longer hold. By "flattening" the curve with the use of log f(R), the discontinuity at R=0 can be much more closely approached.

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APPENDIX II

FORTRAN PROGRAMS AND PRINTOUTS

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A. SUBROUTINE RP 1271

	SOURCES OF DATAABOVE 40 PSIS USTO, BELOW 405 HOLTR 49-88.
	DIMENSION BEYAL-PETAL
	DATA MLIST/74/
_	<u> </u>
	1.06076048580762406382091220990610668.
	11830-12850-14640-15160-1776-
	2 1840 1840 1840 18210 1840 1850 1840 18570 1887 1870) 14210 3 1842 1848 1820 1842 1803 1803 1845 1836 1836 1837 1803
_	4 1-09- 1-18-1-25- 1-35- 1-52- 1-48- 1-85- 2-18- 2-51- 3-17-
	5.3.42. A.44. Saja. Saja. Zaja. B.41. S.71.1.83.12.33.14.84(
_	617-55. 20.2. 22.8. 25.4. 28.7. 34.5. 41.7. 57.4. 78.2. 120
_	7.193., 316., 494., 2845./
	DATA P/17200, 0000, 4740, 2490, 1640, 900, 545. 360.
_	1-244.4-184.4-184.4-187.4-88.4-73.5-42.7-
	1 50,01-40,97-39,27-29,09-21-03+
	34.074.3.533.3.107.2.769.2.491.2.065.1.899.1.506.1.390.1.225.
	A1.116.1.607.47237.6246.7287.4377.4343.4488.3877.3817.
	5.2326192719411426112509260784047903980481.
_	\###\ <i>\##\</i> ############################
	7002800001604-7.337[-4.1.639[-4/
_	DO 10 MelaNLIST
_	IFERNALT RENTE ON TO 11
11	O CONTINUE
_	40.10.44
1	l ifin,eg,1) eg 70 98 <u>fartalalpelglykki=algelgiy:weljjjy/talgelgiyixj=algelgiytkk=ljjj</u>
_	PSTLC8-4L0619(P(N-1)) +FACT+(AL0610(P(N))-AL0610(P(N-1)))
	PSTRIM AAPSTIMS
	RETURN
9	L!!!!
	RETURN
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B. SUBROUTINE ARDC

SUPPOUTINE ARDCIALICU. PRATIC. TRATIC. CRATIC) ARD	s.
T METERCALL C M.A. TINZHER. M.S. M. CHAMPION. AND M.L. POND. THE ARDE MODEL C ATMUSPICAC, 1954. ATM FORCE SUNGLYS IN GERPHYSICS NO. 215	
C (AFCHC-)R-30-207), AIR FORCE CAMBRIDGE RES. CENTER. AUG 1939.	 ક્-
C PRATIGORATIO OF ANGIENT PRESSURE TO SEA LEVEL PRESSURE (1 ATM).	<u>c</u>
C DRATIONATIO OF ANGIERY PENSITY TO SEA LEVEL DENSITY (.00162% 6/CC)	<u> </u>
C ·	c
16C 4L7204L1CH/100. AL7H06354766.COAL72/(6356766.COAL72)	00
1/CALTM-0338100.0-10172/CAJ30-06.0-ALTZ/	5
101 1Embelug*10-0'00k2-VFIN	C
PAMM-14-496178/(286-160/(286-140-0-0-0065-4LTH))0-5-25617218	£
50 To 118	
102 11 CHENCAL-SONDO.) 60 12 104	—
103 TEMP-216.66	3
NAPSC1.282545297(10:0+(0:06888354)(-3-(4F1H-11000-0)))	
100 100 118	
104 IF(ALIM.GT.47040.) 30 TO 106 105 IEMPGZIG.6840.0534(ALYM-Z5000.0)	
PAMBOG. 3609-654/((1-114660-3, 0E-2-ALTH3/216.66)(-11, 39825473	<u>`</u>
60 To 118	
106 1F(ALTH.67.53800.) 60 10 108	
107 1EPP-282.66 PAPE-07-01745687(1G:-*(0.052442682){-1*(4L1H-47000.0)})	—-ૄં
ye	
108 1F(ALTH.GT.700U0.) 50 TO 110 10V TEMPOZAZ.66°0-U045°(ALTM°53000.03	<u></u>
104 1[#P0252.66*0::::045*(114°53000.0) PAMBOD.40408[*3/((282.66/1EMP)***7.592176)	Ç
60 10 116 130 Iffalim.68.40000.3 60 70 112	Ç
111 1EMP+165,66	<u></u>
PARE-1.46198E-4-EXP (-0.0361647982-(ALTH-70000.03/165.66) F	
50 7¢ 119	
312 18(8514061:2020000) 60 10 114	~~÷
113 1E##0165.06+0.0040+(821#~\$0000.0:	
60 10 118	
114 1764214,61.160000,7 50 10 118	—-È
######################################	<u>_</u> ç
ED 10 719	
116 (>CALTM.CT.170JOO.) 50 TO 119	
117 12 74 1325,4830, 314 (421 74 180000,0)	
PANDOS,14015E-30(13/5.66/1EMP)003.4164704	<u> </u>
150 if=b=1e52*eesn:303e54TAH=12050*03.	Č.
120 [EMP#1425:68+0:3056[1[]H=170050;0] PAM###.6.6854E=8+(1425.64/TEMP]++8.832458	<u> </u>
49 10 115	
171 16*P*157;.66*9:0035*(ALTH*200000,0) PAP8#2:00:936*8:1575:66716#9***9;75136*	<u>ç</u>
310 TRATICOTEMP/386.16	č
PRETITION PARETIES AND STEEL PARETIES P	
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CRATIC-UENSAN/-0000165	<u>c</u>
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01/21/72 1246 PM ASH48,5 -12177 COMPILER 3 MIN 19 SEC FOR COMPICATION 6455	
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ASE DIGITS DATA. SIDE DIGITS CODE.	

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(). PEAK OVERPRESTURE PROGRAM

340088A% UNIT 4 MEABER 844248198 MOGNETSTYNEESSY 1 MEBERSYR MOGNETSTYNEESSY	
2 PBRK11(3E19.31212)	
READ(5:3) (MORRECE):Int.IN) 3 PAGARTCOCIO,3)	
REAB(5-3) (VAL(1)-108-2VAL)	
balte(6.45	
WRITE(6.5) W.GOST-R	
TRINGT(3514,3)	
SO SO TOTAL	
#RITELBOYS VALLEY F FORMATCENOVAL==EE0,3}	
WR17E18177	
THE PARTE WENTY DEWALL BUILD HISELD	64
BTHER-9.	······································
89 \$0 .je1.[H	
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PSICTROPMATIGO14,694 	
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THIS IS THE SCALING PACTOR PER 1277, SCAFACO.37°(.84/9.144)***********************************	
PCHORNICJ3:81v9:24936CAPACV339;-0479,24470CADBRHCJ:99:24 3FCHOBNHCJ3:87:10:2213CAFAC#:3F+C-127/12:193+1MBBKHCJ3-10:22	,
■ はない 1 / 1 1 1 1 1 1 1 1 1	
1F(Medin(J).67.10,222)mehlo(1,-,120(Modin(J)-10,222)/12,222 	'
8 ALTOHOBKH(J)+R+CSBT toot-sessing theta1; for sommund;	·
1F(ALT.6E,0.) 40 TO 18	
Re-NGRHCJ)/6031 E-NCTEN-ACT-2,2-3	
CALL ABJ:(ALTCH+PRATID+TRATID+BRATID)	
3	
SALL RPIZZIGRIKT-PIKT)	
PSIAHS-PRATIC-14.696	
7 - P2 + GYP	
- X+2,+X	
KOUNTO	
0 PzegyP — nzer	
- AR-R1/AZ	
EK-61/65	
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Certos(CH)	
Antiety(Ace)	
RIORZ	
PCABSCH-M23-,0010-M23-10,14,21 I MOUNT-MOUNT-1	

PORRETEEON TO CONVERSE.)	
6 RKT NR / - 2848	
CEMSTYBO, OTCOTTODRATEDOCT, OGG. COPRYPA)/(T, COPENTA)	
4-(7.75cm1-564746)/(8-8) - 56mm1-47.878.0758727/(7.8075872)	· · · · · · · ·
PARTEL - 714285 - POYPA-1116, 215-1887 (TRATIO/(1.8-0.85714-POYP	477
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MRTTXEE2157 ALTOFONETOECOPPORYNPOPARYELODERSTY.DERRAYORHOU 5 FORMAT (1M ociesos)	-OTHER
S CONTINUE STGP	~ ~
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The man and the control of the contr

A CONTRACTOR OF THE PROPERTY O

D. PEAK OVERPRESSURE PRINTOUT

# 190Fv?1-	COST	RHIM						,		
*	•									
ALT	Ħ	RXFT V115E+01	~	gvP	BYNE	PARYEL	DENSIA	DENRAT	RHOU	STHER
	1002v0/-	~*1152*01 ~ +164[+0]	**************************************	-1 000[00] -399[+6]	.817g.01	.371E+63	.784E-01	.139g+01	.292E+02	57.7.01
	.1365+61 -1202+61 -	- 01315-88 -	-19505-05-	-13036081-	-1405481	14435483	12-7168	*120East	*3136482	130050
.9142.01	C309E+01	.66.5.69	.3305.05	1400[+01	.244 E+0:	.6612+03	19-3886.	.1825.01	*3636*65	1003003
-1985045-05	1100[00]	18365-00-	.427E+62-	- (399E+81 -64 9 E+61	.337£491 .502[+0]	.1212+04	.1925c01 1826c61	.267E+01	.3836+02	.600E+81
	-1100E+01	-11435-48-	13775482	1344E481	.1884£182.	· 105Febe	-12315-81	<u> </u>	****	
	9795-98 	*7136*00 *********	1679E-02	**************************************	.8512.01 1422.02	*513E484	*124E-01	**************************************	.379E.62	**************************************
i974E+62	.7107-08	.8645-08	*4446*85	•244E•91	·116[442	*3405+84	.8275082	*484E+01	.297E+02	.3445+81
,3082-03	-,000[-00 -	-10405-00	-12805489-	-1000E481-	-1120E+65		330E-88	*121fa81	- Sasfeds	*COE-DI
ALT ALT	[VV]								*****	63.4F8
		#### 	-114 557 98 -	94 90 5303-	OYMP (370E-00	PARVEL 1193EV83	DEASTY	DEMRAT -: 119 E301	WHOU THE THE	974ER
.3052.01	.1005-01	.13ZE+#1	1752+92	·400E+01	.535 E-40	.263E+03	.7162-91	.127E+81	.188 [+02	.400E+91
y6192v01 - y142v01	- 1005001. 1003001.	,1096+01	.207E+92 .237E+92	.399E+01	.115[+01	.484E+03	425 E-C1	15 AE+01	*5565*05	.395E+01
		-11005401-	-styllast.	-1803E+8}-	******	~,474€+83 -	19235.45	5187E481	-1530E105	*4005.01
1356+85		.9416-90	.345 (+62	*369[*61	.231E.01	.935E+53 127E+4 -	*\$165-61	,225F+01 ,275E+01	.243E+02	**************************************
	• 970E-00	.007E-00	.497E+62	**************************************	-13302101 -4662401	.1692+04	1315-61	.3336+01	.253E+02	.400E+01
	,949[-00 -	~*\$\$^[*8\$ ~	<u> </u>	ANDEPSE-	-1901£181.	*STAK OF	-11115-61	- 13/1£161.	- 15445185	****E**
,274€, 02 ,308€+03	. 10E-00	.749£*00 -1751£*00 -	.6782+02 - .7417+02 -	+400E+01	.693E+81	.291£094	.759e-62 	.446 <u>2</u> +01 492+81	.2212.02 .191 2.08	.404E+8}
ALT	5+45	REFT		GyP	DYMP	PARVEL	DENSTY	DEWRAT	RHCU	DTHER
		-11750+41-	-,1000/08 -	-1902001-		1305403	- Statest	1146481-	-1315105	-190E+#1
13625465	*100E+03	,130g+01 -,141g+01 -	.1235.92 -11475.08 -	-1300E+01	305E-00	.204E+03 200E+03	10-30 86. 10-303c.	.120 <u>C</u> 021 130C01 -	1375.02	.300E+01
	- ,100g.01	,128[+91	173[+02	300E+01	.447[-03	.387E403	4156-81	1456+01	.1602.02	.300E+01
			-1820EASE.		11065461	-13435403	- *35,5-02	*100Eag1	-17-56-04	1300546.
1926.08 	100 <u>7</u> 001.	.104 <u>2</u> +01 	-13002002-	*300E+01	•!516+81 •:215[=81	.749E+03	-11365-01	.2012+01	-1855+05	.300E+61
.213£+02	. 2705-05	.945g-80	50e3¢8E.	*300E*01	.297E+01	.1432+04	1372-01	,298E+51	.193E+92	.300E+01
	,7402-00		-3974E+02 -333E+02	-*************************************	.473E+81	*545E+64	162E-05	,350E+01 -414E+01	.176E+02	*3016+61
3006+63			 -		-8462481		-14745-65	-14445481-	-,130£06 2-	-1300E-01
ATC - 1500	£ 001	OFFT	_	Dvp.	RYMP	PARVEL	05#3TY	DENTAT	2100	OTHER
~~480 E460				- 1200E+C1-	1934E-81	PARVEL		*\$106+01	- 100 85 9 0 3	-1200E401
18+3 10C. 19+3 10c.		- 1005-01	.749E+01	-1208E+01	.1372-63 09-3262 3		18-2192.	1543411. 1843855-	.965E+01	,200E+01
.9146.61	.160561	.161g.01	.1092+02	13+3052·	.3962-60	.275F.+63	,3742-61	.131E+01-	\$903602	.200E+01
		-,144[+01- ,131[+01	.175E+62	-1 2002+01 1C+30 6 \$•	.718[-80		10-3cos.	.147E+01 .172E+01	.111E-02	.200E+01
59e3551, 20e3581, -	.100E+01		:20 E-02	-1500E+41	:1336:31		1411381	2925.01	*125£*#£	-280E+01
.213E+05	.9786-80	.1146+61	.267E+02	*540[+61		4521E+84	*1E.01	- 1306£401.	1276.02	*500£+B1
		,101E+01	,397E+02	1005-01	10+36453			.3436+01	1236.02	:0+3005
3092+35			********	- \$50CEA01.			*********	*#SIFARE		*SOOF AGI
*******			·		 					
ALT	45.07	REFT	•	Gyp	DYMP	PARVEL	DEMBTY	DERRAT	RHOU	STHER
	1100290	- 1365[161		 1100[7 01		13615401	18-2268	*182/481	.4425+01	,100E<01
0+360. 0+300	10+3601, 1 10+3691, 1		.2786+01 :443646;	1003001.	3000-01 5100-01	.731E+02	10-3000, 1	1072+01	;2855;01	
.914 <u>E</u> +0	1 -1992+0	1 .246[+0;	.4675+01	*100£*01	.7936-0	1 .149E+N	10*35EE. E	.116E+01	.494E+01	*100E+01
125500	2 .1002031 2 .1002001							. 139 E+01	1043126. 1043146.	
		*****			-5505-0	1 4484EAD	10-3115-01	igalagi.	-300510	*240[-88
121360										
**************************************	2 .710E-8:	10+3666, 0	.2176.02	. * * * * * * * * * * * * * * * * * * *	.7012-8	132700	4746-01	.2006-61	.6316+01	***********
- 		+ <u>1202</u> +01	12432+0 8		********		- ;347E-3 1			11065 +31
AFE 20	92 11 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
ALT	, W	RRFT		Oyp	BYNP	PARVEL	SENSTY	DETRAT	RHGU	DTHER TRAFFERE
\$63000.				30000000000000000000000000000000000000		371200	13-3484 13-3484	10075-01	0.3012.	.500E-00
	1 -100E40	r Letifebi	*1356191	13005-00	-1316.4	331748	**************************************	100360	-220F-0	-5068468
919[40	1 ,100500	5 ,3642461	.183g+6t	,360C+00	.2016-9	7752+0	18-3916. 1	100[+01		
		1 .287[+81	3716.01	1306-00			1425-01	,1206081	.257E+01	.5602-06
	<u> </u>	<u>14533£48</u> 1	4926105	-14645498		, ,275 E45:	<u> </u>	5 - 2335 E + 03	-5225[-0]	
	2 .970C=0	10+3 5221 10+35221	1003016			301140	2	1747601	.278E+0	3887-38
,274[+6	5 .4106-8	0 (1876+8)	* 1132[+6]	*>00£440	*5,26-8	843E+6	3 .3976-8	Z10E401	*3456+2	.300E-00
	3 - 10006-0		41015460		-1380[48	0~ -,110[v #	4	4305001	*3865*8	

E. DYNAMIC PRESSURE PROGRAM

LE SUNDISEN UNIT - READER - SIMPAIN WOOMNES)-VALUES 1 READ(5,2) WACDSTAR SINGEVAL	
- 2 700437(3216)392727	
READ(5,3) (MODKH(1),104,1H) 	
READ(5×3) CVAL(I)»î¤t»IVAL}	
#RITE(#+4)	
#RITE(6:5) NaCOSTAR	
5 FBR467(3E10:3)	
- ANIKOR	
DO SO 10114AL	
9 FCRMATCSHOVAL®•EIG.}>	
FRITE(NET) F. FORMAT(109H ALT W REFT @ OVP DY	,
OTHEROO,	
ALTCHONGRANCIDALESS CALC RADCCALTCHAPPARTIOSTRACEURDRACTEUR	
PSICTR=PRATIO+14.668	
PC=PRX?10=1,01323E08 Weit	
THIS IS THE SCALING FACTOR FOR LETT. SCAFACO.37-C.00/0.100700800CCJ3	
114H0pun(3):001A326A3CALUCA,33ACCGGAA:336AACH05HnCA3-A-1663	
1Findani, 17 actor 12 actor 20	
IF:HDBKH(J).6T-18.222}MeH1-(112-(HDBKH(J)-13.2223/12.2223	
# ALTOHORNICJ)+Recost	
IF(ALT, EG.O.) 40 TO 12	
\$1,40.	
12 4175444111/6031 -12 4175441144611	
CALL AMDE (ALTEM, PRATIG, TRATIG, DRATIG)	
13 RFACT=(H=PFACT3+>,33333333	
RINTHRIPECT CALL RP1273 (RINTHPINT)	
CYP-P1R7/PPACT GYMP-2,5.0:F-0YP/(7.0-PSIAMB-SYP)	
P388#94F84T2C+14-648	
PQPPA=QVP/PSIARB -18-17(RQUVY) 17:17:20	
17 PlopyAP	
Re2, oR	
50 TO 6	
78 72-074P	
The River	
CM=KAL(1)/P1	
ANALOGIAN)	
C=1L(16(¢x)	
Reflegatiate)	
Fierz	
71	
22 *h[[E(6,23)]	
60_TO_50	
GERSTYDD,G76873-DgaTID+C7.606.nepgyPA)/(7.00*DdPA)	
\$417;944145CA74C771R493	
CENRATO(7,808,00PQyPA); (7,00PQyPA)	
MHDUSPERVELODENSTY	
WAITE(6:13) &LIOWORAFTOGODYFOLYARDARYE,DEDSTYODEWRATORNOMODINER	
-15-FGAMAT-C1M-V11E19,53	
316P End	
	•

The section of the control of the co

F. DYNAMIC PRESSURE PRINTOUT

	CQST -,0602-00-	EH13								
-VAL100C										
ALT		RKFT		Pyp	DANG.	PARYEL	DENSTY	DERRAT	RMDU.	STHER
	-100[+91	*557E467	.001ge81	-1209E+21 -1705+01	:0-3065°		10~3169. To~346.	1126+01	.745g+0:	.1002-00
	*1636+61	-12256-001-	- 583	-1405-01	*******		- BRET WIT		*******	*1006-02
.914[+91	.1005.01	15+3955.	.540F+G1	1135+01	.0165-01	.1446+03	13-36661	.11-6-51	.559[+01	. 4482-01
	~1005+01 -1065+01	*535E+01	.547F>01	48 3846. 4711E-00	16-3661		151E+91 10+31E4	124E+01	-10-3468 -214E+01	-100E-00
	*1305.00	*5235.001	-3741 +01	*3635-06	-1986-43	*362E+C3			-10036001-	-1001-00
	.276E-00	*5455*68	.esefect	. 13242-40 440E-68	.100(-00 00-3001;	.3746+83	.655[-67	,145€+81	.202F-01	.100[-02
,274[+02	.9105-60	.2442-61	.6747-01	.247[-00	1566-68		"Selfons	.1702+01	16136101	.100E-03
*3035-05	*****		*8445467	*5435-62	****	*9445+83	*105E+H3	*1865+01	.133(.0:	
ATC=:246E.										
ALT		REFT	٤_	Syp	DYM	PARYEL	DEMSTY	TAFFEE	PHST	OTHER
15+3686,	.100C+01	1902001	11111112	-386E+01	-3007-00			*135E+01	*1856*25	-3005-00
	-188Ca81-	- ********	-53322445- 5995955	******	63-3002.		,7115-01 77-3385-71		-1244-05	-203E-00
.914E+ 9 1	1905-01	.1306.01	.1485.62	*\$50E(31	25215-09	.341[+03	16-3296.	1395-61	.1362.62	.541[-80
:1222-02 -			.145F+92	-165E431 -165E431	********	.494E+03	.281E-N1	.761E+01	-518F-01	'448[+03
-1025 102	*****	*****	-2436444	*****	*361[-06	-0005003	-3245-01	11144.01		-3016-00
.213€+02	.970[-00	1943261	.1497+62 -:33-482	*106E+01	.3007-53	.726E+03	51-1979.	.1644.31	.4705-01	-200E-UD
	*6105-86	**********	1575.02	.703E-09	99-3962. 99-3994.		**************************************	.242E+01	.436E+01	-00-300E00 00-300A
	*5856-30			-398Eakg	-2005-20				*360[*01	-5766+63
VALU -,1002				~						
ALT	•	REFI	•	CAP	DYMP'	PARVEL	DENSTY	748#30	RHDU	STHER
	- SECTORS	.105g-a1	-,2757+62 -,2576+62	.552E+01	-FABEARI	- 1383E+53 -347E+53	1961201	1394491	30-E10S_	-100F461 -1405+91
	.1007-01	-115E+A1	*5305495		1043301.		10-3064°	1345+01	.2472.02 -23323CZ	1005-61
.4742+61	.1002+01	1105-01	.2195.02	.3505.01	1646+65	.4546483	.4416-41	.154E+01	.2026-05	1005-01
*1555*45	.1005-01	*350E+01	.2127-02	*5345+61	-\$97E-\$0		.3165-41	16436431	.141F+02	*445-00
	******	-1525-21	-5004905		: ace : a:		1446731	7035-01		-100[-01
\$136+05	.9782-00	.1276+01	.214F-02	.157E-01	.1601.01	.9486+03	1036-01	19+3855.	.077E+01	.1002-91
*503Ee55	.949E-00	.132E-01	2305-05	.1076-01	.1006-91	.138E+84	*4861-65	.130326	.473F+01	.1005-01
		-130[-01	.2464 402	- SANE-CO	*4465.04	1375-08	210-345E	2225 401	-333keti	
VACE -1330										
ALT	4	REFT	4 .	Cyp	NYMP	PARTEL	DEESTY	SENRLY	RHITU	GTHER.
	-108/-01		3546-45	*2101.cc	130[+01.		ONGREDIT.	-131Ere1.	-Sattens-	-140E+01-
	10+366	.973E-00	-321F+02	- 1825231 - -4835491-	16-3021. 10150E1.		62){************************************	.144E+U1	20:366.	*140E+01
.0141-61	1001-01	-101E-01	\$765.05	1563954	.1505-01	.5415.03	.4745-01	.165E+01	.254[+02	.150E+31
**************************************	.180E+01	.104E+01	-2161-165	*346*21	.1500-01		236E-01	10+3402°	-518E-05	-150E+01
	-1605.021	-: 333E+63-	-233F + 52		-1306403		1545-71		-3315002	-1506401
.2136+02	.9766-00	-114E-01	.2437-02	.1996.21	.151E+01	.111E-0+	,114E-01	.2516+91	.1245-02	.151E-01
.274F.e62	**************************************	-1185-01	- .2141+01	.137E-01	.150£*31 150£*01	*135£agr	.541E-27	*3286*01	.1037.402 .068E+01	.150E+01
-3035485-		-1145461		118E+01-						
**E=;246E										
#LT	•	REFT	4	OTP	DYNE	PARVEL	Drasty	DERWAT	RHDU	STHER
.0335-00	1002-01	.8916-00	.acar-oz	10+3146.	.1598-61	.412[+03	,1000-00	1436-01	.448F+02	1992-01
:+186+e1	.1405.01 .1805.31	.8475-00 -:81-5-18; -	.3397•62 -3387•98	~*9385+61 *1435+01	1047605.		10-3022. 10-3023. -	-156£+01 1816±01-	.397E*05	- 1005-01 -5005-01
.4142.01	1905+43	.9356-00	.324F.AZ	.537E+01	10-3695.	.6012403	.Saleert	.175E+01	.3052.02	10+1005.
1356-05	.100E+01	1003001.	-319F+22- 20+7606,	-1693Ee41-	-500E101		-,344£=#1 232E=01	10+3415.	- 204 J025-	.5005+01 500E+1 _
	-100E+S1	-11036-01-	- 1240LALS	-18475-01	**************************************	-,1836402	10 = 325 £**	- *534£201-	-1866+05	
\$136+05	.4705-39	10-3-01.	.3095-65	.2315.01	.2006+01	.1712+23	.1226-41	.2706+01	*12cE+0S	.2006-01
.564E+65 	.9492-96- .9106-6C	-10+3101.	1916-05	-1897E+81- -169E+81	.5005*61 .5005*01		*2205-US	-:3047401-	-1201302- 1241-02	-230E-01
		-1112vet-	- - 3447-022 -	-3343E401	203C+61	21 12-04	- 343 E-05	1805.01	#34E+#3-	-100E+01-
4454-15396								<u> </u>		
4450-3336		PRFT	•	Syp	nthe	PARVEL	DENSTY	TARESO	PROU	STHER
	-1885-81-	- 41 15-66-	- 3031 402		-2335 403			SELESDI-	-3186185-	-304306-
:0182+8;	.1003001. - 18030 01.	- 0375-00	-\$861568 . -\$864188	-1302e01-	.530£+83	.313E+83 .0#35PC,	.10-3588°	1547-91 -1417881-	-{653186; -{653186; -	-1344E+01-
(80351P,	1003661.	4:-3288.	\$60-1546.	*4026.03	.2502+61	.635[+0]	.\$23[-01	.183g.01	.348[+02	>230E+01
	-1005401-	 6546-88-	33321.et.E	-1940546;-	CESSE ABL	titalers	*3835-45	- SBSFaus-	-SABISAS.	- SACEARI.
.1526+82 { 1026+82	-1505+61- -1805+61-	.90-3500. -28-3 6785-	349766. .344745	-10+36401-	. 1820(181 194361			533£161. .555£•01	-301E165	-10+30£+01-
.7335+82	.9705-06	.903[-60	1396.05	,270g+8£	10+3855.	.1345.04	11556-01	.2856+01	1735-02	10+3625.
-9003001 \$503855.	-9495-86-	- 10031011 -	- 1001002 	- 1803085 10+55#1.	18+38£481 18+30£5.	######################################		.3216e01. .10+30E°	-3057502	.2506+01
			38f*vot					-*346£401-	1135.05	
									-	

West and the surfaminish the assessment of the continuous of the c

G. PARTICLE VELOCITY PRINTOUT

	COS:	HRIS.								
.1002-01	.069[+80	.200E-00					·			
VAL2302	+02									
06+3660.	.100€+91	470€€+01	.6332-00	.467E-00	.524[-02	.255E+02	0FHSTY .702E<01	DENRAT	.144F+01	.250E+02
- 19636161 10+3016.	.1002.61	.0447+01	.394F-80	-333E-00	*3556-05	*5205945	-578F-01	1025-01	-145E-01	.250E+02
- tatafaat	-1665-21	10030940	.3537-55	-1365-00	1 487-07	-\$206105.	.416E-U1	*1035-01	.7346-00	.250E+02
1256-05	1002001	-111E-02 -129E+02	.2417-00 30-3686.	-130E-UC	.131E-02	.2502-02	.194g-01	.103E+01 .103E+01	.485g-09	.250E+02
c162C+82	1005+31	.151E+02	.1347-08	.3492-01	.506E-03	-2505452	.153F*02	.1035+01	.1856-00	.250E+92
.2436+85	.949E-00	*504E+05	.5110-00 .6976-01	-150E-01	*146-03	.250[+02 .250[+02	.465E-02	1036+01	.116E-00 .724E-01	.250E+05
*3626+85	4105-00	2003020	.546;-01	-150[-01 -715[-02 -547[-02	713(-p3 46-3(17.	.250E+02	190E-05	.103E+01	.436E-01	*530E+05
						*******	*13-1 04	*******	*******	*******
AVT. :200E	. 11	REFT		Cyp	D-4P	PARVEL	DENSTY	DEMRAT	MMSS	STHER
	-100F-01	*400F+01	•192F•01	-946E-00	.100E-01	\$00E+02	*800g=01	.105[+01	.400E+01	*200£+05
;616E+81	1005-01	446E+01	.1207+01	.470[-68	.135[-01	.5002+02	10-3566	.105E+01	.2145.01	*200E+05
1825.05	.100E-01	**************************************	.734F-00	.254£-00	.017E-02	.3006+05	199[-01	.105E.01	.1515.0. .995E-00	*300E+02
*1936485	-1005-01	.040E+01	.5507-88 .421r-80	1276-0A 7916-01	.9377-02 .7351-02	-2001+02	.12°E-01	*102E*01	-620r-40	300€+02
-5135485	- 68036088	-1011-02	-2346-90	13~3886	120-02 20-30-21.	-2001+05 -2001+05	.477E76Z	.165E+01	.386F-00 .238E-30	\$001+02 •3002+61
.243g+02 	-413E14-	-2176402 -1373432	*513F-00	.305-01	.8047-03	2005.05	-178E-05	.103E+01	.149E-00	-500E+02
.3052.92	30-3088.	.141E-02	.1465-00	+115E-01	*5636-03	\$002.02	.109E-02	1052.01	.5432-01	.500E+02
VAL750E	-03									
·\$00 (+ 00	.109[+01	.795E+01	.3625-01	-144E-01	-57NP -4945-01	750E+02	PENSTY 101	25484Y .1077+01	.613E401	.750E+02
*3025*01	-180E-01	*352£*01	-: SADETER-	1753636		-750E+02	1025-03	*107E+0;	-454E-01	\$042075
- ************************************	*100E+01	*361E+01	-226F+C1	*715E*00	.266F-01	.750F+82	.307F-01	-107g-01	.329£.01	.750E+02
-122E+02	*180E+01	*465E+01	-128F-01	.310E-00	* 124E-01	.750€+02	.209E-01	.108F+01	1536.01	17506402
\$6+3251.	+100E+01	.6346+01	.788r-no	-143E-CO -120E-80 -744E-01	.773E-02	-750E-02	.1276-01 .7936-05	.104E+91	.545 [-60	.750E+02
-2435+05	.970E-90	-7372+01 -653E+01	-6337*04 -5127*00	*44E*01	.2072-02	.750E+02	\$0-360£.	104E+01	*347E-00	.750E+92 .750E+02
3057-02	00-308E.	*100£*02	312F-00	.2836-01 .2746-01	.111E-02 .676E-03	.790E+02	1115-05	.100E+01	.1305-00	•/ > 0E+02
		****	*3121-00	*********	*810[-03	*1.206.05	-11.E-05	.108E+01	.6352-01	.790E+C2
Val1006	•03	PRFT		Dyp	DYNP	PARVEL	DENSTY	CERRAY	RHOU	OTHER
*300E+60	*102E+01	.234E+61	.367F+01	•194E+01	10-1266	.100E+03	10-3416.	.1096+01	.876 [+01	.100[+03
.41ng.01	-100E-01	·201E+01	.346F+01	**************************************	.454E+01	.1002+03	10-3419	1106-01	-449C+01	*100E+03
1556+25	10036-01	*35efe01	*211E+01	*450E-00	.225E-01	\$99E+02	.31/E-VI	1105-01	.2006+01	1005-65
-195£405 	.160E+01	*437[+01	-1861-61	-1585E>CO.	-14.7-61	-1005142	.1315-05	1116-61	1316-01	.1005:05
*5135405	*2105-20	*244£421.	1215+01	*1635-00		.100E+03	\$00-3E-02 502E-02	1116-01	.\$13E-00	.1002+03
\$43E+02 \$043875.	.940E-00	-463E+31 -16+3408+	.787E-00	-383E-01	*3346-05	.1005+03	3146-62	1112-01	.314F-0C	.10CE+03
.305€+92	90-2008.	.746E+01	4797-00	.238E-01	1235-02	1002-03	1142-02	,110E+01	1146-00	.130E+03
VAL125	•0)	~								
.000+3000	.1002.01	.198E+01	.797F+01	.247E+01	.144F-00	FARVEL .125E+03	0ENSTY -0521-01	CEMBAY	##3U	DTOER
*303[40]		-5506+01	194418	-1766-01	1576-00	-21225443	-634(-0)	1156-01	.107E+02	.125E+03
**************************************	*100E+01	10+36+51	-490F+01 374F-63	*235+01	10-3475	1255403	*4265-01	,113E+0:	.575 c.01	125003
-1555-05 20-3251•	.100£+01	.315E+01	.294F.01	*>34E-00	.36ZE-01	.125E+03	.215E-01	.114F+01	.268F.01	.175€+01
.1825.03	.1002-01	10+325601	.1695-01	-333E-00	.720[*0]	.183E103	Cyet-05	.114E+01	1045-01	.1255+03
-2435+05	-970E-36	10+358E.	-1105-01	-126E-CO	.542E-02	.125E+63	.32×6×03 20+3×15.	110,001	.402£-00	*175E+03
-305E+05			-8605-00	-4875-81	-252 6-25.	*15255403	-1435-95	1136+01	-5416-00	*\$75E403
		*1.10[+01	.474r-00	.301E-01	.1976-02	,175[+0)	.117E-07	.1136+01	1446-00	.125E+03
VAL - 150	•63	WATE .			NYMP	PARTE	DENSTY	CENNAY	AHDU	STUER
.9962.0	*1005*02	.175E+G1	-1045-05	.300F-61	.2126-00	.1596.08	4710001	-118F401	-1315402	.150E+03
-595E481 6102-61	1002+01	10+3615.	.620F+01	1003815.	1145-00	1500+03	470F-01	1155-01	.705E+01	.150E+03
1356+05	100-3001.	10+3682·	.472[40] .367F+01	1015-01	.805E-01 .535E-01	.150E+B3 (0+30E1,	. 332E-01	116F+01	*446[*0]	*120E+03
	-11465-01	- 1315-01	18-1415-	4651-00	19336:02	<u> </u>	13.E-UJ	1156661	10+3025	*130E+03
*105£+65	10+1+01	.387e+31	-2117-01	*5355-00	19-1461.	1305+93	.85>e-52 .527f-07	.1167+01	.120g+01	-150E+03
*\$43[+62	.940E-00	1003126.	.137 roni	.974E-01	.4015-05	1305+63	.3300007	10+5911.	4955-00	415aE+03
,3050.05	*860K-90	10-3-01	1991641	*3436-61	*5016-05	190[+63	1295-05		-1846-00	1505-63
							_		-	•

AND THE PARTY OF T

H. DENSITY RATIO PRINTOUT

	<u> </u>									
.100E+01	.00UF+00	*500E-0C								
					•					
VAL120f	•01				CAMP.	PAPVEL		DENGAT	kalla	01-EH
*000E+00	.1005-01	+141E+0+	.1505.62	.429E+01	.430E-00	.2085+03	UFHSTY . 9105-01	.1205+01	.1915+02	*150E+01
~ .303E+01	-100E-01	1245.01	1216425	*5435401	**************************************	*********	<u> </u>	•120F•01	*1361+05	*150E*41
.410E.01	*100E*01	*145E+01	10.3768.	.197E.01	.1976-00	.293E+n3	.4675-01	.220F+0!	.946[.01	•120£•01
*4185:02	-1005-01	-5115-01	**************************************	.100E+UD	-:12#E=55-	.1856.U3. .1806.u3	2275-01	1206.01	.634E.01	.170E+01
*122E+02	1003001		367 61		-7494/=01"	:802403-	1416-01-	1206.01	255 01-	1766-01
.162[+02	.100E+01	.330E+01	.278r+n1	.3096-00	.309F-01	£0+3021.	.8815-02	.1286+01	.1596+01	.170E+01
** 135 405	**10E=0A	-10435461-	-525ak +0x	*141E-00	10-3161	*3405+43	*2445495	*1205:01	-4805-00	2120E+01
-243[+32 -274E+02	*40E-00	-\$\$4E+01		-1196-00-	-110F-01	.100F+03	-34VE-07	-120[:0]	-1313E-00	-1305:81
3056+02	00-301e.	.607E+0:	1167+01	4605-01	468E-03	1876.03	1241-05	1205-01	2326-00	1206+01
					<u> </u>					
VAL150E	+01									
*C100E+00	.100F+01	.79>E-00	.5015+02	.114E+G2	.285E+01	.48JE+N3	1176-40	150E+01	.550£402	.130E+01
	-100[101		- 53747662-	-785E+01-	-176F-01"	463[+03	.847 c-01	1500001	-3925+02	.150E+01
16+3014.	.1096+01	10436401	,277r+p2	10+365¢	.131E+01	4465+63	19-5216	.1502+61	.2735+03	1506+01
	-1006+01		-21682245-	-340E+01-	-5-6F-00	47/8403	430r=A1"	750Ex31	119E+02	150E+01
- 1255+05	*1005+61	:07E+01	.151r+n2 ::57+02	*5155*01	*230E-00	.414E+03	501-01	.150E+01	·1136.02	150E+01 130E+01
.1825.02	-100E+01	.191E-G1	.#48F+01	.0236-00	.205E-00	.416E+03	.1145-01	.150E+01	450[+01	.150E+01
:513E+D\$-	**105-00	-272E+0;-	-700F4P1-	\$08E-00-	7127E-00	-*#19E+k3.		1306.01		1301-01
.2-3[-02	.740E-00	-75/E+01	.564r.cl	*5166-02	.7995-01	.414E+n3	\$35-05 \$35-05	.150g.01	177E+01	-130E+01
3656.05	\$80E-00	*348*C;	363F+01	154E-00	.311E-01	.431E+03	1556-05	.150F+01	1001001	1506-01
	10005 00				<u> </u>		,,,,,,			
VAL160E	+01									
		Agri-	480	- 1947-03	.786F+01	.727E+03	OFHSTY	.180E+01	*100F+03	·14gE+01
-\$0\$2500-	.120 <u>2001</u> .		-\$81F+02 \$81F+02	*139E+05	346 <u>E+01</u> -		10st-0u	-1842+01-	-714F-02	10433811
.6106-01	.100E+01	.778E-G1	4865+02	.902E-01	.361E.01	.675[7337-01	.160E+01	.496E.02	.180E+01
	100Eag1.	*64AE-00	-3301 4/12	- LOSSEFACE	-10+386201-	*485*113	- 3185-41.		*3341465	*140f*01
.1275.03	10+3001.	*10>E+01	*********	.365E+01	146[+01	-630E+03 630E+03	.3416-01	180,001	.215E+02	.180E+01 -180E+01
*185F.+05	1006+01	*144E+0!	.152F+02	**************************************	.547E-00	.030E+03	*135L=U1	180F+01	.0335+01	1506-01
	*POE-00	-150[+01-	-21236145-	8732-00	3300-00	633Esu3.	2819(*07	1906+01	.514:-01	
.743[+62	.940E-00	.1946+01	.9896+01	**446-67	.2196-06	.630E403	.5145-07	.180[+6:	.321f+01	1906+61
300325		.259E+01	.638r+01	*538E=00	.857g-01	**************************************	**************************************	.180E+01	1725.01	-180E-01
.305E+02	.080[-00									

AVT - 5001										-
AT . 500E	+01	-RKPT		- OVF	- UAMB	PARVEL	DF#STV	DERRIT	PHOLI	OTHER
•000[+00	+01 +100F+01	*KPT	.1145.03	0¥F •257ε•02	129F+05	.342£403	DE#214	.200F+01	#HG11 .1257+03	-200E+01
*303F*01	.100F+01	.52/E-00	.114F+03	0¥F .257£+02	129F+05	938403 60+3268.	0F#5TV .15JF=40	\$200F+01	##### .1357+03	.200[-0]
•000[+00	+01 +100F+01	#### .52/g*00 .34/g*00 .643g*00	.1145.03	0VF -257E+02 -177E+02 -114E+02 -765E+01	1295.05 .1295.05 .6465-01 .5915.01	37848 60-3568 60-35168 60-3618	1535-00 1535-00 1135-00 .8195-01	200F+01 -200F+01 -200F+01 -200F+01	##Gii .1257.03 .6627.02 .6627.02 .4517.03	07#E# 2002+01 2002+01 2002+01
*155*05 10*301** *302**01 *302**01	.100F+01 .100F+01 .100F+01 .100F+01 .100F+01	######################################	0 .114F+03 .076F+02 .631F+07 .374F+07	04F .257E+02 .11AE+02 .765E+01 .476E+01	129F+05 -0129F+05 -0148F+01 -387F-01 -239F+01	PARVEL .8725.03 .8515.03 .8197.03 .7867.03	1536-00 1136-00 1136-00 .8106-01 .57 6-01 .3746-01	.2005+01 -5005+01 -5005+01 -5005+01	#HGii .1257-03 .6627-02 .6687-02 .4517-02 .2847-02	.200£-01 .200£-01 .200£-01 .200£-01
20+3240 10+301% 10+301% 	**************************************	**************************************	.114F-03 .039F-07 .631F-07 .35F-07 .35F-07	0VF .257 E+02 .117 E+02 .116 E+02 .765 E+01 .470 E+01 .298 E+01		PARYEL .882(.03 .851(-03 .819(-03 .765(-03 .765(-03	0FWSTV .15Jr=40 .113F-40 .810F-01 .57 F-01 .374F-01	.200F-01 .200F-01 .200F-01 .200F-01	#HDH 1257-03 -967-02 -667-02 -4517-02 -2847-02	.2004-01 .2004-01 .2004-01 .2004-01 .2004-01
-1935-05 -1935-05 -1935-05 -1935-05 -1935-05 -1935-05 -1935-05	+01 -100F+01 -100F+01 -100F+01 -100F+01 -100F+01	**************************************	0 .114F+03 .038F+02 .631F+07 .338F+07 .345F+07 .751F+07 .198F+02	0VF -257E+02 -177E+02 -116E+02 -765E+01 -476E+01 -178E+01 -185E+01		PARYEL .8725-03 .8197-03 .7765-03 .7655-03 .7655-03	DFWSTV .154c-nn .113c-7n .810c-n1 .57 c-n1 .236c-n1 .14/c-n1	\$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001	#HGii .1557-03 .9527-02 .6687-02 .4517-02 .2597-02 .1127-02	07#E# 07#E# 0.2005-01 0.2005-01 0.2005-01 0.2005-01 0.2005-01
.000E+00 -309E+01 -610E+01 -610E+01 -122E+02 -132E+02 -713E+02 -713E+02	.100f+01 .100f+01 .100f+01 .100f+01 .100f+01 .100f+01 .100f+01 .700f+01	**************************************	0 .114F+03 .631F+07 .431F+07 .345F+07 .134F+07 .198F+02 .129F+07	0 VF -257 E+02 -117 E+02 -116 E+02 -765 E+01 -298 E+01 -195 E+01 -118 E+01 -716 E+00		PARVEL .8825.03 .8515.03 .8192.03 .7655.03 .7655.03 .7655.03	0FWSTV .153F=00 .113F=7.0 .810F=01 .57F=01 .37F=01 .236F=01 .147F=01	.5(00.00) .5(00.00) .500.00) .500.00; .500.00; .500.00; .500.00; .500.00;	#HGti .157+03 .662+02 .668+02 .651+02 .789+02 .112-02 .433+01	076ER 0200001 00-30000 00-30000 00-30000 00-30000 00-30000 00-3000 00-3000 00-3000 00-3000 00-3000 00-3000
.000E+00 .309E+01 .410E+01 .12E+02 .182E+02 .73E+02 .243E+02	-100F+01 -100F+01 -100F+01 -100F+01 -100F+01 -100F+01 -400F+01 -400F+01	**************************************	.114F+03 .036F+02 .631F+07 .345F+07 .345F+07 .196F+02 .126F+02 .126F+02	0 VF -257E-02 -177E-02 -117E-02 -114E-02 -478E-01 -147E-01 -114E-00 -116E-00 -448E-06		PARYEL	0FWSTY .154F=00 .113F=01 .57 F=01 .374F=01 .365F=01 .14/F=01 .00F=07 .54 F=07	\$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001	##6ii -1557-03 -5622-02 -6682-02 -4517-02 -2842-02 -1122-02 -6937-01 -2617-03	076ER -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01
.000E+00 -309E+01 -610E+01 -610E+01 -122E+02 -132E+02 -713E+02 -713E+02	.100f+01 .100f+01 .100f+01 .100f+01 .100f+01 .100f+01 .100f+01 .700f+01	######################################	0 .114F+03 .631F+07 .431F+07 .345F+07 .134F+07 .198F+02 .129F+07	0 VF -257 E+02 -117 E+02 -116 E+02 -765 E+01 -298 E+01 -195 E+01 -118 E+01 -716 E+00		PARVEL .8825.03 .8515.03 .8192.03 .7655.03 .7655.03 .7655.03	0FWSTV .153F=00 .113F=7.0 .810F=01 .57F=01 .37F=01 .236F=01 .147F=01	\$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001	#HGti .157+03 .662+02 .668+02 .651+02 .789+02 .112-02 .433+01	076ER 0200001 00-30000 00-30000 00-30000 00-30000 00-30000 00-3000 00-3000 00-3000 00-3000 00-3000 00-3000
.000E+00 .309E+01 .410E+01 .12E+02 .182E+02 .73E+02 .243E+02	-100F+01 -100F+01 -100F+01 -100F+01 -100F+01 -100F+01 -400F+01 -400F+01	**************************************	.114F+03 .036F+02 .631F+07 .345F+07 .345F+07 .196F+02 .126F+02 .126F+02	0 VF -257E-02 -177E-02 -117E-02 -114E-02 -478E-01 -147E-01 -114E-00 -116E-00 -448E-06		PARYEL	0FWSTY .154F=00 .113F=01 .57 F=01 .374F=01 .365F=01 .14/F=01 .00F=02 .54 F=02	\$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001	##6ii -1557-03 -5622-02 -6682-02 -4517-02 -2842-02 -1122-02 -6937-01 -2617-03	076ER -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01
.0006.00	.100F-01 .100F-01 .100F-01 .100F-01 .100F-01 .100F-01 .40F-00 .40F-00	**************************************	.114F+03 .036F+02 .631F+07 .345F+07 .345F+07 .196F+02 .126F+02 .126F+02	0 VF -257E-02 -177E-02 -117E-02 -114E-02 -478E-01 -147E-01 -114E-00 -116E-00 -448E-06		PARYEL	0FWSTY .154F=00 .113F=01 .57 F=01 .374F=01 .365F=01 .14/F=01 .00F=02 .54 F=02	\$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001 \$200.001	##6ii -1557-03 -5622-02 -6682-02 -4517-02 -2842-02 -1122-02 -6937-01 -2617-03	076ER -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01
.000,000 .4100,01 .4100,01 .122,02 .132,02 .713,02 .731,02 .731,02 .731,02 .731,02 .731,02	-01 -100F+01 -100F+01 -100F+01 -100E+01 -100E+01 -100E+01 -404F-00 -404F-00	RRF1 -52/E*00 -64/E*00 -78/E*00 -78/E*00 -10/E*01 -17/E*01 -17/E*01 -17/E*01 -17/E*01 -17/E*01 -17/E*01 -17/E*01	0 .114F+03 .635F+07/ .631F+07 .338F+07 .345F+07 .158F+07 .158F+07 .126F+07 .163F+07 .163F+07	0VF -257E-02 -117E-02 -116E-02 -765E-01 -298E-01 -119E-01 -116E-00 -413E-01 -43E-01 -260E-00		PARYEL	0FNSTY .153p-nn .113p-nn .81p-n1 .57 p-n1 .37sp-n1 .14f-n1 .90p-n7 .54 p-n2 .540p-n2	2005-01 -5002-01 -5002-01 -5002-01 -5002-01 -5002-01 -5002-01 -5002-01 -5002-01	#MGU .1557-03 .6526-02 .6587-02 .6587-02 .7567-02 .7567-02 .1122-02 .6937-01 .2647-01	2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01 -2005-01
-000E+00 -309E+01 -410E+01 -418E+01 -122E+02 -132E+02 -733E+02 -733E+02 -305E+02	-01 -100F-01 -100F-01 -100F-01 -100F-01 -100F-01 -100F-01 -100F-01 -100F-00 -100F-00 -100F-00	######################################	0 114E-03 .638F-07 .631F-07 .348F-07 .348F-07 .348F-07 .198F-07 .139F-07 .128F-07 .628F-01	0VF -2576-02 -1776-02 -1186-02 -7756-01 -2986-01 -1986-01 -1186-00 -436-00 -2306-00		PARYEL	OF NSTY 15 Je - nn 113 Je - nn 113 Je - nn 113 Je - nn 12 Je	DECATT .2331.001	#HUU .1957-03 .652602 .668602 .668602 .4518-02 .7696-02 .112-02 .112-02 .4318-01 .2648-01	076ER .200E-01 .200E-01 .200E-01 .200E-01 .200E-01 .200E-01 .200E-01 .200E-01
.0001-000 .3052-01 .4102-01 .4122-02 .1522-02 .1522-02 .7332-02 .7332-02 .7332-02 .7352-02 .7352-02	-01 -100F+01 -100F+01 -100F+01 -100E+01 -100E+01 -100E+01 -404F-00 -404F-00	#### #### #### #### #### #### #### #### #### #### #### #### #### #### #### #### #### #### ####	0 .114F+03 .836F+07/ .631F+07/ .383F+07/ .383F+07/ .128F+07/ .128F+07/ .128F+07/ .628F+01/ .137F+07/ .628F+01/ .137F+07/ .137F	0VF -257E-02 -117E-02 -117E-02 -116E-02 -10E-00 -10E-00 -116E-00 -240E-00 -240E-00		PARYEL	OF NSTY	2335-01	#HGU .1557-03 .6526-02 .6542-02 .6542-02 .2542-02 .1122-02 .1122-02 .1322-03 .1322-01 .1442-01	07-ER .2005-01 .2005-
.610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01) .610(e-01)		RRF1 -52/E-00 -643E-00 -769E-00 -769E-00 -12/E-01 -12/E-01 -170E-01 -22=F-61 -449E-00 -594E-60	.114F+03 .135F+07 .431F+07 .335F+07 .345F+07 .136F+07 .136F+07 .136F+07 .126F+07	0VF .257E-02 .177E-02 .177E-02 .1765E-01 .2765E-01 .175E-01 .175E-01 .175E-00 .433E-00 .230E-00 .230E-00 .230E-00 .230E-00 .230E-02 .230E-02 .230E-02 .166E-02 .166E-02		PARVEL	OFNSTY .1519-70 .1119-70 .819-71 .819-71 .3745-71 .236-71 .246-72 .3402-72 .207-72 .207-72 .1307-70 .1307-70 .1307-70 .1307-70 .2362-71	2504-01 -2304-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01	#HUU .1557-03 .652602 .654602 .654602 .654602 .754602 .754602 .112602 .6737-01 .2646-01 .1346-01	076ER .2005e01 .2005e
.000.001 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011 .4100.011		### - 00 - 30 # - 00 - 30 # - 00 - 78 # - 00 - 78 # - 00 - 78 # - 00 - 10 # -	.114F-03 .635F-07 .631F-07 .338F-07 .345F-07 .345F-07 .150F-07 .120F-07 .120F-07 .120F-07 .120F-07 .120F-07 .150F-07 .150F-07 .150F-07 .150F-07 .150F-07 .150F-07 .150F-07	0VF -257E-02 -114E-02 -114E-02 -115E-01		PARYEL	OF NSTY 15 Je - nn 113 Je - nn 113 Je - nn 12 Je -	2315-01 -5305-01 -500	#HUU .1957-03 .6526-02 .6587-02 .6587-02 .7597-01 .1122-02 .6937-01 .2647-01 .1947-03 .1397-03 .4337-03	076EM .200E-01 .200E-
-122-02 -122-02		RRF1 -52/E*00 -64/E*00 -64/E*00 -76/E*00 -108 *301 -12/E*01 -12/E*	.114F+03 .675F+07/ .631F+07/ .395F+07/ .395F+07/ .195F+07/ .195F+07/ .126F+0	0VF .257E-02 .177E-02 .177E-02 .1765E-01 .2765E-01 .175E-01 .175E-01 .175E-00 .433E-00 .230E-00 .230E-00 .230E-00 .230E-00 .230E-02 .230E-02 .230E-02 .166E-02 .166E-02		PARVEL	OF NSTY .153 penn .113 penn .113 penn .81 penn .37 penn .33 penn .34 penn .36 penn .36 penn .36 penn .37 penn .36 penn .37 penn .	2504-01 -2304-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01 -2004-01	#HUU .1557-03 .652602 .654602 .654602 .654602 .754602 .754602 .112602 .6737-01 .2646-01 .1346-01	076EM .2005e01 .2005e
.1024.002 .1024.002 .1024.002 .1024.002 .1024.002 .1024.002 .1024.003 .1024.003 .1024.003 .1024.003 .1024.003 .1024.003 .1024.003 .1024.003 .1024.003	100F+01	#### - 00 - 397E - 60 - 597E -	0 .114F+03 .836F+07 .431F+07 .431F+07 .343F+07 .745F+07 .136F+07 .136F+07 .136F+07 .137F+07	047 -257E-02 -117E-02 -117E-02 -176E-01 -298E-01 -196E-00 -113E-01 -243E-00 -249E-02 -108E-02		PARVEL	OF NSTY 15 Je - nn 113 Je - nn 113 Je - nn 113 Je - nn 123 Je - nn 124 Je - nn 124 Je - nn 124 Je - nn 125	2001-01 -200	######################################	076ER .200E-01
-5354-03 -1055-03 -10		#### - 00 - 222 F - 61 - 622 F - 622 F - 62 - 622 F - 62 - 622 F - 62 - 62		######################################		PARVEL .8922-013 .89312-03 .7825-03 .7655-03 .7655-03 .7755-	OFNSTY .1519-70 .819-71 .819-71 .819-71 .8748-71 .236-71 .146-71 .3402-72 .207-72 .3402-72 .3	75 C - 01 - 23 0	#HUU .1557-03 .6587-02 .6587-02 .6587-02 .7587-02 .7587-02 .1127-02 .1127-03 .1247-04 .1347-01 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03 .1347-03	076ER .2005-01 .2005-
		#### 00 -39## 00 -109## 00	0 .114F+03 .635F+07 .631F+07 .431F+07 .245F+07 .126F+07	000		PARYEL .8922-013 .8912-03 .782-03 .7652-03 .7652-03 .7652-03 .7652-03 .7772-03 .7612-03 .7772-03 .7612-03 .7772-03 .7612-03 .7772-03	OFNSTY .151g-7n .111g-7n .410g-7n .410g-7n .517g-7n .517g-7n .141g-7n .540g-72 .540g	2001-01 2001-01	######################################	07-ER -200E-01
-000[+00] -010[+00] -010[+01] -010[+		#### - 00 - 00 - 00 - 00 - 00 - 00 - 00		######################################		PARYEL .8922-013 .8912-03 .782-03 .7652-03 .7652-03 .7652-03 .7652-03 .7772-03 .7612-03 .7772-03 .7612-03 .7772-03 .7612-03 .7772-03	OFNSTY	75 C - 01 - 23 0	#HUU -1557-03 -652602 -6587-02 -6587-02 -7587-02 -7587-02 -7587-03	######################################
-000[+00] -010[+00] -010[+01] -010[+		#### 00 -39## 00 -109## 00		000		PARVEL	OFNSTY	DENBLY -2007-01	#HUU -1557-03 -652602 -6587-02 -6587-02 -7587-02 -7587-02 -7587-03	######################################
.000+.000 .410+.010 .410+.011 .410+.	100F+01	RRF1 -52/E-00 -643E-00 -769E-00 -769E-00 -12/E-01 -12/E-01 -17/E-01	0 .114F+03 .635F+07 .631F+07 .431F+07 .245F+07 .126F+07	007F-02 -257E-02 -117E-02 -117E-02 -116E-02 -1765E-01 -118E-01 -118E-01 -118E-00 -13E-06 -20E-00 -23E-07 -166E-02 -168E-07 -172E-01 -172E-01 -172E-01 -172E-01 -172E-01 -172E-01 -172E-01 -172E-01 -172E-01 -172E-01 -172E-01		PARVEL .8922-03 .8932-03 .7825-03 .7655-03 .7655-03 .775-03	OFNSTY .1519-70 .1119-70 .4109-71 .5146-71 .2369-71 .146-71 .3402-72 .3402-	DENRIT .2007-01	#HUU .1957-03 .6026-02 .6086-02 .6517-02 .7657-02 .1122-02 .6247-01 .1347-01 .1967-03 .1377-02 .4377-02 .4371-02 .4371-02 .4371-02 .4371-02 .4371-02 .4371-02 .4371-02 .4371-02 .4371-02 .4371-02 .4371-02 .4371-02 .4371-02	076ER 2005-01
.000[+00] .410(+01] .410(+	(+01 100[+01]	#### - 00 - 00 - 00 - 00 - 00 - 00 - 00	0 .114Fon3 .055Fon2 .125Fon2 .	0VF -257E-02 -114E-02 -114E-02 -145E-01 -115E-01		PARYEL	OF NSTY	DEWNAT .2007-01 .2007	######################################	07-EM .2005-01 .2005-
		### - 00 -		0VF -257 E-02 -114 E-02 -114 E-02 -114 E-02 -115 E-01 -115 E-01 -115 E-02 -130 E-02 -1		PARYEL .8922-01 .8932-03 .493-03 .7867-03 .7652-03 .7652-03 .7652-03 .7772-03 .7912-03 .1012-04	OFNSTY .153-r-nn .1137-r-nn .1137-r-nn .314-r-n1 .374-r-n1 .346-r-n2 .340-r-n2 .340-r-	DENTAT 2007-01	#HUU .1957-03 .6026-02 .6086-02 .6517-02 .7657-02 .1122-02 .6247-01 .1347-01 .1967-03 .1377-02 .4377-02 .4377-02 .4377-02 .4377-02 .4377-02 .4377-02 .4377-02 .4377-02 .4377-02 .4377-02 .4377-02 .4377-03	UTHER .2006.01
-000[+00] -000[+		RRF1 -52/E=00 -59/E=00 -769/E=00 -769/E=00 -12/E=01 -12/E=01 -17/E=01 -17/E		0VF -257E-02 -117E-02 -117E-02 -118E-01 -298E-01 -118E-01 -118E-01 -118E-01 -136E-00 -249E-02 -168E-02 -		PARVEL .121-0-03 .785/6-03 .765/6-03 .765/6-03 .765/6-03 .765/6-03 .777/6-03 .791/6-03	OFNSTY .1519-01 .1319-70 .819-01 .3749-01 .2349-01 .2449-01 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02 .2079-02	DENBIT -2007-01	######################################	07-ER .2005-01 .2005-
-000[+00] -705[+02] -705[+	100F+01	### - 00 -	0 .114F+03 .035F+07 .031F+07 .132F+07 .125F+07 .125F+07 .125F+07 .125F+07 .125F+07 .125F+07 .125F+07 .127F+07	0yF -257E-02 -117E-02 -117E-02 -116E-00 -10E-00 -116E-00 -116E-00 -20E-00 -20E-00 -20E-00 -10E		PARVEL .8922-013 .8932-013 .7857-03 .7652-013 .7652-013 .7652-013 .7752-013	OFNSTY .153-r-nn .1137-r-nn .1137-r-nn .374-r-n1 .374-r-n1 .346-r-n2 .340[-n2 .340[-	DENRAY .2007-01 .2007	######################################	076ER .2005-01 .2005-
-000[+00] -705[+01] -715[+02] -715[+	100F+01	### - 00 - 00 - 00 - 00 - 00 - 00 - 00 -	0 .114F+03 .035F+07 .031F+07 .132F+07 .125F+07 .125F+07 .125F+07 .125F+07 .125F+07 .125F+07 .125F+07 .127F+07	0yF -257E-02 -117E-02 -117E-02 -116E-00 -10E-00 -116E-00 -116E-00 -20E-00 -20E-00 -20E-00 -10E		PARYEL .8922-03 .8912-03 .7857-03 .7657-03 .7652-03 .7652-03 .7772-03 .7792	OF NSTY .153 penn .113 penn .113 penn .37 pen .33 pen .33 pen .34 penn .36 penn .36 penn .37 penn .37 penn .38	2007-01 2007-01	######################################	076EM .200E-01 .200E-
-000[+00] -3051-01 -410[+01] -410[+0	100F+01	#### 00	0 114F-03 .635F-07 .631F-07 .335F-07 .345F-07 .136F-07 .136F-07 .136F-07 .136F-07 .136F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .138F-07	0VF -257 E-02 -114 E-02 -114 E-02 -145 E-01 -114 E-01 -1		PARVEL	OFNSTY .1519-70 .8199-71 .8199-71 .8199-71 .8145-71 .245-71 .245-71 .245-71 .245-72 .207-73 .207-73 .2	DENNAT 2007-01	######################################	076EM .2005-01 .2005-
-000[+00] -3051-01 -410[+01] -410[+0	100F+01	#### 00	0 114F-03 .635F-07 .631F-07 .335F-07 .345F-07 .136F-07 .136F-07 .136F-07 .136F-07 .136F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .137F-07 .138F-07	0VF -257 E-02 -114 E-02 -114 E-02 -145 E-01 -114 E-01 -1		PARVEL .121701 .7857603 .7657603 .7657603 .7657603 .7776603 .7776603 .7916003	OFNSTY .1519-70 .819-71 .819-71 .819-71 .819-71 .8145-71 .245-71 .245-71 .207-72 .207-72 .207-72 .207-72 .207-72 .207-72 .207-72 .207-72 .207-72 .207-72 .207-72 .207-72 .207-72 .207-73 .207-	DENHAT .230F-01 .250F-01 .250F	######################################	UTHER .2005-01 .2005-
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I. RHO-U PRINTOUT

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.714[+01	1015.01	.242F+U1	.372F+n1	.107E+01 .101E+01	.6145-01	.1515.03	3345-01	1115+01	.500£+01	.500E+01
.1775.02	.100E+01	.2136.01	.0135-01	39-324F	.1156-00	£0+3115.	5341-01	1245.01	.500E+01	-500E+01
.1526+65	1006+01	1986-01	./425.05	.6265-64	-105[-00	23111-03	1605-01	.134E+01	.5002+01	.500[+91
.182F • 02 .213E • 02	.1336.01	13.31-1.	19.7242.	.6005-00	.2385-00	.4432+03	.1135-01	.1546.01	.459F-01	.400E+01
.743[+02	.973[-00 00-3649.	.17uE-01 .16uE-01	.120r.n?	.4146-60	.3345-00	.619E+n3	\$97r-n2	.17AE+01	10+300£+01 -0+300£+0	.500E+B1
.7742+02	-3166-00	.1716+41	.1795.02		.4215-00	.113E+04			,500E+01	.500E+0:
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.1576.07	.1005-01	.1305+01	.1550.47	17-F-01	.5575-20	.5176+03	21931-01	.164[.01	*46.E+01	9096+81
-1926-02	1005+01	.1342-01	.1795-07	.1476.91	,767F-00	371UE+#3	1415-01	.1926.05	.100E-02	.100E+02
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.4135-01	13+3161	.1416-01	.:495.05	13+346	.4576-00	.243E+03	.5315-11	,13nF+N1	.150F-02	*150E+C2
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.1275.02	.1005-01	.174E-01 .11/F-01	.1916.62	.2436-01	.796F-CA	.493F4F3 .674E4F3	.22,5-11	.141E+01 .167F+01	.150F+02 .150F+02	.150E-02
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J. PRESSURE RATIO PROGRAM

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K. PRESSURE RATIO PRINTOUT

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*38>E+85	*730E+01	*248E-06	,Z>ZF+03	.577E+02	.6976.02	.101E+c4	1836-00	.3255+01	.3326.03	.570E+01
		.461E-00	.133F+63	-250F4D>			-1326440	- 125E+01-	_, 2316,63 .	- 3712+81
1225+02	103Ee01_	311£286_		a154gag2_	\$75g+02	142E+84	~~613E##1.	{324E+01-	, 476 47-	-,574[+4]-
*155E+05	-100f-01	.63ig-00	.768F+02	**70E+C1	.1095+02	. 1626+46	.3825-01	. \$24E+01	-621F-02	4570E+01
-192E403-		231g-00 .857g-00			.420F401	20+16+1+	.1475651		~3878-02-	3/4E441-
2832482				-12346441	-3436+81		418ca4	.325E+01	1502+03-	-5715-61
.2746.02	.710E~00	1135.01	.301F+02	•145E•61	.163[.01	.165[+04	*225-05	.3256401	.9126+61	.5716+01
										-43+15+01-
-YALE		2-25								
~CODE+GO	_100g401_	AKFT ASALWOO		CvP 3535+02_	014P 225e+02	PARVEL	DENSTY	DENRAT 1230E+01	RHOU	-01HSR 2406+61-
10+3CQE.	.100E+01	2125-00	.1151.63	.243E+02	.155E-02	.100E+04	.1295.00	.228f.+01	.130E.03	.Z40E+01
410E441_				1425462_	104[+82	,1025 404	, 828{=41	228E+81-		,348[+6 1-
	.100E+01	24£~00.	.610F+02	-105E+D2	. 0 / UE + U 1	10+3C\V.	10-3160	.28E+01	-436E+02	.245(+01
^ .153E+02	.100E+31	.6326-80	.3516+65	*409E+01	.261[.0]	.945[+03	.2481-01	.224E+01	.255E.03	.246£+01
-182F482 -713E+52		*127E*05	24 <u>0</u> F4&2_	46345461-			101 (081	+331(+81-	1216+62-	
2435 492	<u> </u>	11476401_	1276462_	^2425*00_	6272288	3496483	8431262	.224E+01 228E+01	612F±01-	2406491-
.274E+02	.910E-00	.170E+01	.138E+02	• • 68 £= 00	.3002-00	###E+#3	.3872-07	.2285+01	.3F3E.01	.240E.D1
1055+02_	**********	_alyetect.			-Srefett	-+AB36+03	\$326×42	- +558€+01-	~~331£ +01 -	344E+41-
ALT ALT	101							•		
	W .	AKFI	8	Cyp	DYNP	PARVEL	DENSTY	DERRAT	3400	OTHER
~ .395 E+33	-1905-01	00-3864 20-1886.	-245445-	-1316-02	-515c+01		*************************************			
- ALDEAGL	_XODE+D1	TAZZ=00					~~ 444₹₹₽₽	-+++466441-		-+4446441-
- 4122E401	.100E+01	100-00	,341E+02 258E+42	•368E•G1	.553[.01	£0+3¢£+03	.5115-01	.17AE+01	.3255.02	•130E•01
		1236-01	.1075-02	+551E+01	.367 -00	.6101-03	219["01	-178C+84	130[.02	4130F+01
1828482	<u>1005001</u>	<u></u>	<u>,1895862.</u>	6138 <u>C</u> 683_	58#{#80	Albfed3	131feat	138£+01-		+134E+61-
.713E+02 .243F+02	.970E-00	.170E+01 19&E+01	.1707+07 1043£401_	-5325-00	-333E-00	.0105+03	\$00000	.:78[+0] 	4996.01	
50+341S	. \$10E-0C	.220E+0:	.7715-01	•356čeCO	.1292-00	£9+365& .	*3036-05	.1786+01	.190E+01	.130E+03
		24}F+21_	.62361	<u> </u>		4415+03	1855+02	1205431_		11CE^C1_
YALR 680E										
ALT	4	REFT		Dy.	DYNF	PARVEL	DENSTY	DERRAT	RHJU	OTHER
ALT CCOEAGO_			5185462_	_10+30\$Pa_	2015-01	4215+03	192te40	-1435+81-	440E+03-	
ALT CCOEAGO_	4		.314r.n2 .314r.n2	-9705-01 -0075-01	.144E.01 .144E.01			,143E+01 ,143E+01 	.320E-92 .328E-92	-00=3088- -00=3088-
114 	.100E.01 .100E.01 .100E.01	.9876-00 .1136-01 .1316-01	.518c+62 .314r+62 .231c+62 .166r+62	-9705-01 -6075-01 -4445-01	.2017+01 .1487-01 .3417-00	4215+03 .4065+13 1815+83		-143E+01 -143E+01 -143E+01	.328F.92 .328F.92 .338F.93	-0402-00 00-3040. -0406-00
ALT 	1805-01 -1005(01 -1005-01 -1605-01	.987:000 .987:00 .113:01 .131:01	.314r.02 .314r.02 .231F.42 .166r.02	-9705-01 -6075-01 -4445-01	.2017+01 .1487-01 .3417-00	4215+03 .4065+13 1815+83		-143E+01 -143E+01 -143E+01	.328F.02 .328F.02 .338F.02	-0402-00 00-3040. -0406-00
ALT 	1005-01 -1005-01 -1005-01 -1005-01 -1005-01	##7:000 .9876-00 .1135-01 .1316-01 .1536-01 .1796-01	.518c+62. .314c+62. .231c+42. .166c+62. .126c+62.	-9705-01 -6676-01 -4445-81 -3995-01 -1395-01 -1125-01	201c-01 144c-01 144c-00 144c-00 144c-00 144c-00		.808fe40 .808fe41 .878fe41 .410fe41 .778fe41 .168fe41	1435+0; .1435+0; .1435+0; .1435+0; .1435+0;	.440c.02 .328c.02 .338c.02 .154c.02 .467c.01	-449[=00- 00-3040- -449[=00- 00-3040-
ALT 	1807-01 -1005-01 -1005-01 -1005-01 -1005-01 -1005-01 -1005-01	##Z:500 .9876-00 .1115-01 .1316-01 .1796-01 .2796-01	.5185.02 .3147.02 .2315.62 .1667.02 .1245.63 .9357.01 .2235.31	-9705-01 -6075-01 -4445-01 -1395-01 -1125-01 -7005-50 -4325-00	.2016-01 .1486-01 .2216-00 .3226-00 .3886-00 .2426-00 .1316-04		.808 cmi .808 cmi .878 cmi .410 cmi .271 cmi .169 cmi .48 cmi	-1436-01 -1436-01 -1436-01 -1436-01 -1436-01 -1436-01	- 348-02 - 328-02 - 328-02 - 328-02 - 328-01 - 338-01 - 238-01	-640F-00 -640F-30 -640F-30 -640F-00 -640F-00
ALT 	1807-01 -1005-01 -1005-01 -1005-01 -1005-01 -1005-01 -1005-01	##Z:500 .9876-00 .1115-01 .1316-01 .1796-01 .2796-01	.5185.02 .3147.02 .2315.62 .1667.02 .1245.63 .9357.01 .2235.31	-9705-01 -6075-01 -4445-01 -1395-01 -1125-01 -7005-50 -4325-00	.2016-01 .1486-01 .2216-00 .3226-00 .3886-00 .2426-00 .1316-04		.808 cmi .808 cmi .878 cmi .410 cmi .271 cmi .169 cmi .48 cmi	-1436-01 -1436-01 -1436-01 -1436-01 -1436-01 -1436-01	- 348-02 - 328-02 - 328-02 - 328-02 - 328-01 - 338-01 - 238-01	-640F-00 -640F-30 -640F-30 -640F-00 -640F-00
ALT 	1005-01 -1005-01 -1005-01 -1005-01 -1005-01 -1005-01 -9705-00 9805-00 -9105-00	.#7:00 .987(-00 .111(-01 .131(-01 .151(-01 .179(-01 .201(-01 .241(-01 .242(-01 .327(-01	518F-62 -314F-62 -314F-62 -166F-62 -128F-63 -939F-61 -23F-31 -583F-61 -375F-63	9705-01 -6676-01 -4445-01 -3896-01 -1396-01 -1126-01 -7006-50 -3706-60 -1076-00	.2016-01 .1446-01 .3226-00 .3226-00 .2426-00 .4366-01 .4366-01 .3406-01		.095-00 .8085-01 .6105-01 .215-01 .1695-01 .695-07 .465-07 .465-07	.143(-01; .143(-01; .143(-01; .143(-01; .143(-01; .143(-01; .143(-01; .143(-01; .143(-01;	.480c.02 .328c.02 .324c.02 .154c.02 .415c.01 .415c.01 .203c.01 .203c.01 .446c.01	
ALT	1005-01 -1005-01 -1005-01 -1005-01 -1005-01 -1005-01 -9705-00 9805-00 -9105-00	.#7:00 .987(-00 .111(-01 .131(-01 .151(-01 .179(-01 .201(-01 .241(-01 .242(-01 .327(-01	518F-62 -314F-62 -314F-62 -166F-62 -128F-63 -939F-61 -23F-31 -583F-61 -375F-63	9705-01 -6676-01 -4445-01 -3896-01 -1396-01 -1126-01 -7006-50 -3706-60 -1076-00	.2016-01 .1446-01 .3226-00 .3226-00 .2426-00 .4366-01 .4366-01 .3406-01		.09F=40 .808E=01 .610E=01 .21E=41 .169E=01 .69E=47 .465E=47 .465E=43	.143(-01; .143(-01; .143(-01; .143(-01; .143(-01; .143(-01; .143(-01; .143(-01; .143(-01;	.480c.02 .328c.02 .324c.02 .154c.02 .415c.01 .415c.01 .203c.01 .203c.01 .446c.01	
ALT		######################################	518F-62 -314F-62 -314F-62 -166F-62 -128F-63 -939F-61 -23F-31 -583F-61 -375F-63	-9705-01 -8475-01 -8485-01 -3495-01 -1375-01 -125-01 -4325-00 -2705-00 -1075-00	.209c.03 .144c.01 .322c-00 .322c-00 .328c-00 .242c-00 .53c-01 .53c-01 .340c-01 .340c-01		.102f=40 .802f=61 .574cast .410f=61 .271cast .162f=61 .678f=67 .435cast .435cast .435cast .435cast	-143[-01: -143[-01:	.440€.02 .328€.02 .328€.03 .150€.03 .615€.03 .345€.01 .236€.01 .44€.03 .921€.00	
ALT	100 100	### ##################################	618ce2 .314ce2 .211ce2 .164ce2 .154ce2 .95fc0 .223ce3 .537ce3 .375ce3 .375ce3	-9705-01 -8677-01 -4445-01 -3895-01 -1125-01 -1125-01 -7005-50 -8125-00 -1077-00 -1045-80	.209 c.01 .144 c.01 .241 c.00 .222 c.00 .288 c.00 .242 c.00 .151 c.00 .200 c.01 .300 c.01 .238 c.01		.107 rao .807 rai .574 rai .410 rai .410 rai .45 rai .45 rai .45 rai .45 rai .45 rai .45 rai .45 rai .45 rai	.143[-0]: .143[-	.440E.02 .328E.02 .328E.02 .154E.02 .427E.04 .415E.01 .343E.01 .230E.00 .448E.03 .401E.00	
ALT		### ##################################	.314*.02 .314*.02 .2115.42 .164*.02 .124*.62 .735*.01 .2215.31 .503*.01 .375*.03 .305*.01	-9705-01 -60776-01 -4445-01 -3895-01 -1375-01 -1325-01 -7005-50 -8325-00 -1045-00 -1045-00 -705-06 -705-06 -705-06 -705-06 -705-06 -705-06	.141c-01 .141c-01 .122c-00 .122c-00 .151c-01 .151c-01 .151c-01 .151c-01 .151c-01 .151c-01 .151c-01 .151c-01 .151c-01	.421603 .4065c23 .181643 .375c03 .365c03 .365c03 .365c03 .365c03 .370c03 .370c03 .374c63	.007F00 .007F01 .574caal .410g-ni .274caal .40g-ni .40g-ni .40g-ni .40g-ni .40g-ni .40g-ni	-143[-60] -143[-60] -143[-60] -143[-60] -143[-60] -143[-60] -143[-60] -143[-60] -143[-60] -143[-60] -163[-60] -163[-60]		
ALT	Ingent 100 1	ARISCOD907@00 .1115c01 .1316c01 .1514c01 .179Ec01 .2215c01 .2225c01 .327Ec01 .327Ec01 .327Ec01 .379Ec01 .399Ec01 .339Ec01 .399Ec01 .3516Ec01 .510Ec03	.314*ng2 .314*ng2 .211*e42 .124*e43 .125*e43 .755*e01 .221*e31 .75*e31 .75*e31 .75*e31 .305*e81 .305*e81 .305*e81	-9705-01 -6476-01 -8465-01 -8465-01 -1395-01 -1125-01 -525-00 -2705-05 -1045-00 -2705-06 -2705-06 -2705-06 -2705-06 -2705-06 -2705-06 -2705-06 -2485-00 -4485-00	201c-01 -141c-01 -121c-00 -122c-00 -122c-00 -151c-01 -151c-01 -341c-01 -341c-01 -32c-01 -722c-01 -727c-01 -727c-01 -727c-01		.007ra00 .8007rn1 .5742ra3 .4102rn1 .7712ra3 .1692rn7 .4532ra3 .7432ra7 .4447ra7 .4447ra7 .7447ra7 .7447ra7 .7447ra7	-143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63] -143[-63]	.400.002 .328E.92 .328E.92 .328E.03 .135E.03 .415E.03 .235E.03 .248E.03 .329E.00 .329E.00 .329E.00	007100-00-00-00-00-00-00-00-00-00-00-00-00-
ALT	Ing.cl. .100Ec01	### 1:500 .907(-00) .1115-01 .1115-01 .1115-01 .1775-01 .262(3601 .242(3601	.314*n2 .314*n2 .211242 .164*02 .124*02 .124*03 .237*01 .597*01 .375*01 .375*01 .305*01 .150*01 .110*01	-9105-015076-013076-01125-01125-01205-502705-501777-00106-602705-002705-002705-002705-002705-002705-002705-002805-00.	.202c.01 .148c.01 .222c-00 .222c-00 .232c-00 .151c-01 .300c-01 .380c-01 .223c-01 .223c-01 .223c-01 .223c-01 .223c-01 .223c-01 .223c-01 .223c-01 .223c-01 .223c-01 .223c-01	.421603 .4065 r.3 .121643 .755 r.3 .355 r.3 .365 r.3 .365 r.3 .365 r.3 .370	.007eng .808eng .808eng .410eng .712eng .450en	-143[-01] -143[-		
ALT		ARISCOD907[-00 .1115-01 .131[-01 .131[-01 .179[-01 .243[-01 .243[-01 .243[-01 .327[-01 .32	.314-02 .314-02 .211-82 .164-02 .124-82 .934-01 .231-31 .353-01 .375-01 .305-01 .305-01 .150-01 .150-01 .110-01 .938-96		.202 c.01 .149 c.01 .222 c.00 .222 c.00 .242 c.00 .242 c.00 .300 c.01 .340 c.01 .340 c.01 .238 c.02 .227 c.01 .154 c.01 .154 c.01 .154 c.01 .154 c.01 .154 c.01 .154 c.01 .154 c.01 .154 c.01 .154 c.01 .154 c.01 .154 c.01			-143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -163[c-01 -163[c-01 -163[c-01 -163[c-01 -163[c-01 -163[c-01 -163[c-01 -163[c-01		
ALT		ARI: 5:00907[-00 .1115-01 .1116-01 .1116-01 .1116-01 .1116-01 .1178[-01 .2216-01 .2225-01 .2225-01 .327[-01	.518-62 .314-672 .211-82 .166-602 .126-62 .939-01 .221-31 .537-01 .375-03 .305-01 .353-01 .150-01 .150-01 .150-01 .150-01 .150-01 .150-01 .150-01	-9765-01 -6076-01 -1445-01 -1495-01 -1395-01 -1175-01 -1705-00 -1705-00 -1775-00 -1045-00 -1045-00 -1485-00 -2885-00 -2885-00 -1495-00 -1495-00 -1495-00 -1495-00 -1495-00 -1495-00 -1495-00 -1495-00	.202 c.01 .144 c.01 .22 c.00 .32 c.00 .32 c.00 .31 c.00 .31 c.00 .31 c.00 .30 c.01 .30 c.01 .30 c.01 .32 c.01 .32 c.01 .34 c.01 .35 c.01			-143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -143[c-01 -163[c		
ALT		ARISCOD907[-00] .1115-011315-011315-011795-012425-012425-013275-013275-013275-013275-013275-013275-013275-013275-013275-013275-013275-013395-0	.314*02 .314*02 .211*82 .166*002 .126*263 .999*01 .237*31 .3537*01 .375*03 .305*01 .150*01 .110*01 .198*268 .403*26 .403*26 .305*00	-9705-01 -8475-01 -8485-01 -8485-01 -8495-01 -8125-01 -8125-01 -8125-00 -1045-00 -1045-00 -2705-06 -2705-06 -2705-06 -2855-06 -2855-06 -1805-06 -18	.202 c.01 .144 c.01 .222 c.00 .232 c.00 .242 c.00 .242 c.00 .350 c.01 .350 c.01 .350 c.01 .228 c.01 .227 c	-21500 ,4065-03 ,4065-03 ,1815-43 ,775-03 ,3655-03 ,3655-03 ,3655-03 ,3705-03 ,3705-03 ,3785-63 ,3785-63 ,4705-03 ,4705-03 ,475-03 ,475-03 ,475-03 ,475-03 ,475-03 ,475-03 ,485-03 ,485-03 ,485-03 ,485-03 ,485-03 ,485-03		143[coli .143[co		
ALT		### 1:5:00907[-00 .1115-01 .1115-01 .1115-01 .1115-01 .179[-01 .243[-01 .243[-01 .243[-01 .327[-01		-9705-01 -8475-01 -8485-01 -8485-01 -8495-01 -8125-01 -8125-01 -8125-00 -1045-00 -10	.202 c.01 .144 c.01 .222 c.00 .232 c.00 .242 c.00 .242 c.00 .300 c.01 .340 c	-21500 ,4065-03 ,1815-03 ,1875-03 ,1655-03 ,1655-03 ,1655-03 ,1675-03 ,1705		143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .163[co		
ALT		### 1:5:00907[-00 .1115-01 .1115-01 .1115-01 .1115-01 .179[-01 .243[-01 .243[-01 .243[-01 .327[-01		-9705-01 -8475-01 -8485-01 -8485-01 -8495-01 -8125-01 -8125-01 -8125-00 -1045-00 -10	.202 c.01 .144 c.01 .222 c.00 .232 c.00 .242 c.00 .242 c.00 .300 c.01 .340 c	-21500 ,4065-03 ,1815-03 ,1875-03 ,1655-03 ,1655-03 ,1655-03 ,1675-03 ,1705		143[coli .143[co		007100-00-00-00-00-00-00-00-00-00-00-00-00-
ALT		### 1:5:00907[-00 .1115-01 .1115-01 .1115-01 .1115-01 .179[-01 .243[-01 .243[-01 .243[-01 .327[-01		-9705-01 -8475-01 -8485-01 -8485-01 -8495-01 -8125-01 -8125-01 -8125-00 -1045-00 -10	.202 c.01 .144 c.01 .222 c.00 .232 c.00 .242 c.00 .242 c.00 .300 c.01 .340 c	-21500 ,4065-03 ,1815-03 ,1875-03 ,1655-03 ,1655-03 ,1655-03 ,1675-03 ,1705		143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .143[coli .163[co		007100-00-00-00-00-00-00-00-00-00-00-00-00-
ALT		### 1:00 .907(-00 .1115-01 .1115-01 .1115-01 .1715-01 .2275-01 .2275-01 .3275-01 .377(-01 .315-01 .3975-01 .3975-01 .3975-01 .315-02 .3975-01 .315-02 .315-02 .315-02 .315-02 .315-02 .315-02 .315-02 .315-02 .315-02 .315-02 .315-02 .315-02	-: # # # # # # # # # # # # # # # # # # #	-9705-01 -6076-01	2016-01 .144[-03 .122[-03 .122[-03 .122[-03 .131[-03] .151[-03] .151[-03] .350[-01] .3	- #21603 , 4065-23 , 1215-83 , 1215-83 , 1255-93 , 1255-93 , 1255-93 , 1255-93 , 1255-93 , 1255-93 , 1255-93 , 1256-93 ,		-143[c.61 -143[c.61		
ALT		ARISCOD907[-00 .1115-01 .1115-01 .1115-01 .1795-01 .2415-01 .2425-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-01 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02 .3276-02	.314*02 .314*02 .215*24 .166*002 .126*26 .126*26 .126*26 .223*21 .335*01 .355*01 .355*01 .155*201 .110*01 .155*201 .110*01 .198*286 .235*26 .235*00 .225*00 .225*00 .235*00	-9705-01 -8475-01 -8485-01 -8485-01 -8495-01 -1125-01 -1125-01 -8125-00 -2705-00 -1045-00 -1045-00 -2885-00 -2885-00 -2885-00 -1135-04 -7005-01 -1135-04 -7005-01 -1135-04 -7005-01 -1135-04 -7005-01 -1135-04 -7005-01 -1135-04 -7005-01 -1135-04 -7005-01	200 F.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O			-143[c.01 -143[c.01		
ALT		### : : : 0.0		-9705-01 -0076-01	200 c.01 .144 c.01 .144 c.01 .142 c.00 .122 c.00 .122 c.00 .151 c.			143[c.61 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .165[c.	### ### ### ### ### ### ### ### ### ##	
ALT		ARI::00907(-001115.011115.011115.011115.011115.011797.012415.012415.013275.0	.314*n2 .314*n2 .211*a2 .164*n02 .124*a3 .125*a3 .755*n1 .237*a1 .355*n1 .375*n3 .305*a1 .375*n3 .305*a1 .315*n3 .305*a1 .315*n3 .305*a1 .305*a2 .345*n3 .345*	-9705-01 -8475-01 -1395-01 -1125-01	.202 c.01 .144 c.01 .142 c.00 .122 c.00 .242 c.00 .242 c.00 .350 c.01 .350 c.01	- #21603 ,406203 ,406203 ,375103 ,365103 ,365103 ,365103 ,365103 ,370103 ,370103 ,370103 ,370103 ,370103 ,370103 ,370103 ,48463 ,48463 ,48463 ,48463 ,484602 ,48460		143[c.6] .143[c.6]		
ALT		ARI: 500907[-001126.011116.01.	-: 18-62 .314-672 .166-602 .126-62 .126-62 .126-62 .126-62 .126-62 .231-31 .231-31 .231-31 .231-31 .231-31 .231-31 .201-01 .105-01 .105-01 .105-01 .231-02	- 9705-01 - 6475-01 - 6475-01 - 6485-01 - 1395-01 - 1395-01 - 1265-00 - 1265	.202 c.01 .144 c.01 .144 c.01 .144 c.01 .122 c.00 .122 c.00 .122 c.00 .151 c.01 .350 c			-143[-68] -143[-60] -143[-	######################################	
ALT - CCSICAD 305[-01 - 4117-02 - 122[-22 -		### 1:00 - 1115-01	.314*.02 .314*.02 .314*.03 .106*.02 .126*.03 .126*.03 .237*.01 .237*.01 .3537*.01 .305*.01 .305*.01 .305*.01 .305*.01 .305*.02 .305*.02 .305*.02 .305*.02 .305*.02 .305*.02 .305*.02 .305*.02 .305*.02 .305*.02 .305*.02 .305*.03 .3	-9705-01 -0475-01 -0475-01 -0475-01 -0475-01 -0475-00	.2016-01 .1445-01 .1245-00 .1225-00 .2425-00 .2425-00 .3505-01 .3505-01 .3505-01 .3505-01 .2275-01 .1045-01 .4215-02 .42	- #21603 - #06603 - #		-143[c.01 -143[c		
ALT		### : : : 0.0		-9705-01 -6076-01 -60	.202 c.01 .144 c.01 .144 c.01 .122 c.00 .222 c	- #215001 - #015		143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .143[c.01 .165[c.	### ### ### ### ### ### ### ### ### ##	
ALT		### 1:00 . **********************************	.314*02 .314*02 .211*82 .166*002 .126*63 .999*01 .237*01 .303*01 .303*01 .305*01 .305*01 .305*01 .305*01 .305*00 .317*02 .305*00 .317*02 .305*00 .317*02 .317*02 .317*02 .317*02 .317*02 .317*03 .317*	-9705-01 -0445-01 -0445-01 -1395-01 -1125-01 -	.2016.01 .1445.01 .1245.00 .1225.00 .2425.00 .2425.00 .3405.01 .3405.01 .3405.01 .3405.01 .3405.01 .2275.01 .4215.02 .42	.421603 .4066.03 .4066.03 .4066.03 .4751603 .36751603 .36551603 .36551603 .36551603 .37651603		-143[c.01 -143[c		

L. SHOCK STRENGTH PRINTOUT

Salar Paristers !

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$ CUST RREM..1005+00 .200E+00
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      m "Jankenj
All
                                                                                                                                                                                  PTAP PARVEL DFSTV DEART

-225F-02 .103F-0 .173F-00 .22eE-01
-155F-02 .105E-04 .173F-00 .22eE-01
-103F-02 .105E-04 .72eF-01 .22eE-01
-053F-01 .973F-03 .05F-01 .22eE-01
-41F-01 .445F-03 .43UF-01 .22eE-01
-220F-01 .445F-03 .26eF-01 .22eE-01
-162F-01 .445F-03 .104F-01 .22eE-01
-10FF-01 .445F-03 .104F-01 .22eE-01
-226F-01 .943F-03 .3eF-07 .22eE-01
-226F-00 .943E-03 .3eF-07 .22eE-01
-226F-00 .743E-03 .3eF-07 .22eE-01
-226F-00 .743E-03 .3eF-07 .22eE-01
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.a44r.c2 .6550.01
.351r.c2 .4.60.01
.246r.o2 .2540.01
.214r.c2 .1570.01
.174r.o2 .4400.00
.116r.c2 .6062.00
.111r.c2 .3440.00
                                                                                                                                                                                                                                                                                                                                    .400F+62
                                                                                                                                                                                                                                                                                                                                                                     .3406+01
                                                                                                                                                                                                                                                                                                                                .7546.02
.7546.02
.776.01
.4116.01
.3746.01
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10+30#E.
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                .2366+.31
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.325r.02
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      .152[-92 .100F-01
.152F-02 .100F-01
.157F-02 .100F-01
.213F-02 .776F-02
.774F-02 .710F-02
.774F-02 .710F-02
.765F-02 .550F-00
                                                                           .10 nF + C1
.17 2 1 + O1
.14 nF + C1
.17 0F + U1
.27 0E + U1
.26 1 E + C1
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.496E-01
.312E-01
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M. DENSITY PRINTOUT

* LOOE + O.T.	.030E+60	RMI.1 .200E-00								
VALE .300E	-00									
.0003E+00	.1005+01	RKFI .25JE=00	.5045+03	.145E+A3	.211E+03	.255g+n4	.303E-UU	10.356£	.76603	.300E=00
.3058+01	1002+01	16uE-00	.119F+04	.441E+03	.951E+03	\$42E+04	.300€-00	.531E+01	:163E+04	.3005-00
FAILED 10 CO	JAVENGE.									
FAILED 10 CO .014E+0: .122E+02	100E+01	.011E+00	.1.9F+n4 .119F+n4	.0002+00	.000F+00	.000E+00	1845-01	.100E+01	.0005.00	.247E-01
1576-02	1005+01	0005-00	.119F+n4	.0002<00	0005.00	00+200	1195-01	.100E+01	.1105+00	1105-01
.1825+62	.100E-01	.0043Fe00	.1195.04	.000E+00	.000\$+00	.0005+00	734F=02	1005+01	.000£+00	.7345-02 .4536-02
.243F+02	.94UE-00	.0002+00	. 195+04	0005+00	.0U1F+00	.0005.00	283ron2	1006+01	.000£+00	.2436-02
.274£+02 .305F+02	.00-3010	.0005+00	.119F+04	.0005+00	.0005.00	.0005400	1705-47	.1005+01	00+3000.	.170E-GZ
			****		••••		••••	******		*****
VAL200F	30	RKFI	α	Uvr	りゃかろ	PARVEL	DENSTY	DENRAT	Refly	PHER
.000E+00 10+1505	1402+01	*331E=00	.20/5+03	.490E+02	.3906+65	.135F+04 .207E+04	50nt-00	.261F+01	.271F.03	.2006-00
.610£+01	10+3001.	.3116-00	.5825+03	1405+03	.125F+03	190E+34	5005-00	4906+01	.740E+03	.200f-00
FAILER TO CO	INVENCE.									
1255205-	.100E+01	.0235-00	.533F+13	.0006+00	.0075+00	.0035+30	.109,001	10-30015	.0001.00	.187E-01
.157E+72 ,182E+02	.1005+01	.00+3400	.5800.03	.0043060	.000E.CO	0000.00	.1105-01 .734E-02	.100£+61 .100£+01	.00£*00 .000£*00	1145-01
.215E+9c	.4712-00	.000£+00	.5400.03	60+3000+	.001 2+60	.0002+00	.4535-02	.1075+01	.000,00	.453E-07
.243E+72 .274E+C2	00-304¢.	.0345+00	.5A0r.n3	*000E+UU	.000£.00	0005*00	.283F-02	.100F+ ⁰ 1	.100,1000	.243£+02 50-3071.
.3057+02	18406-20	.000F+00	.530=.03	.000E+00	.0001-00	.0005+00	1035-05	1005+01	.000€+00	.103E-02
VAL - 150F	-00									
***************************************	.1305+01	•>}\£_600 E¥£1	.109r+n3	.245E+C2	.183f+02	.3525+03	15JF-00	.19cF+01	.526E+03	07KER •1502*00
16+3608.	SOUFFEE	.430[-89	.isir.n3	.350E+02	*580£+0S	*134E+04	.1505-00	.264 71	.701E+03	.1502-20
10+3014. 10+3610.	1005+01	.345E-00	.246r+03	.545E+07 .149E+03	\$3+30£+C2 \$3\$7£+03	.212F+04	.150F-00	.523E+`.	.704E+03	.1502-00
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.1526+02	*100E*01	.0002+00	.5775.03	.006.	,0067+00	49000	.1165-01	.1002+01	000-1000.	.1186-01
* 245 E+05	\$1005.03	.030£+CA	.577r+63	*000E+UU	.0001.00	.000F+nu	.7345-02	.1005+71	.000[+00	.7346-05
.243E-02	9707-00 00-3064.	.000E+00	.577r-n3	*00C*00	.000F-00	.003E+n0	.453r-n2	1001.01	49+3005. 66+3696.	.453E-02 50-3185
.2747+02 .305E+02	.910F-00	-0005-03	.57/2-03	-0005-00	.000E+00	\$0043600 \$0043600	.170r-n2	.100F+01	.000[+00	.1705*07 .1035*A2
**		•00+F+66	. 37 7 2 0 3	•0005•00	**********	\$ And E At O	.1051-117	1043001.	.400E+00	********
VALE .1006	-7U	PKFI	4	Gyp	ስ ሃ ዚያ	PARVEL	DENSTY	DENGAT	FHQU	OTHER
*0001*00	* 7 ** 0 £ + 0 1	.10/F+61	.7765-02	.073£,+C:	.103F.01	*3534+03	*1041-90	*131E+01	*3046.05	.1005-00
.305E+01 .410F+01	1002.01	.54-E-CO	.633r•n2	.124E.03	.1915.01	.677E+03	.10nt-UU .dddt-U1	.177F+01 .245F+01	.4765.02	.00€7001.
414F+01 5U+3551.	.: oer • e:	90-3154. 00-3165.	.1595+03	.304E+02	.378F+02	.177c+(4 .474c+04	.1005-70	.349F+01 .529F+01	.1876-03	.100E-00
1951+01	1003001.	04+2640	£9.3492.	•000€•00	.000F+00	0002+00	.115ren1	, 1005+01	.000[+00	.114E-01
.1926+92	.1002.01	.00-2-00	.46813	•300E•00 •3006•	.0001.00	.0005+00	.7305-n2 \$n•1654.	1005+01	.0001.00	.734E-07
-		•00-306-00		***************************************	.000.00	.0000	*4331-115	2100[401	*4006*00	**355-05
.2436+02 .2741+02	.v40r-30	.039E+06	<pre></pre>	•00+3400 •0465•46	.000F+00	.0035+40	<pre>cn=qtes.</pre>	.1005-01	00+3000.	\$636.05
. 3056-32	.6405-00	.00+£+00	£0+7864.	-000E+00	.000F.UU	*0015+00	1035-03	1005+01	.0061000	.170E=02 .103E=02
441 = .45UF	-01									
alt	4	6K\$1	3	Cyte	nywp	PARVEL	prestr	TARFEG	KHOD	OTHER
.00-300	1004.01	.12-C-01	.205c.uS	10.556.11	.433F-00	.24dr+43	10-366e.	.1645.01	.2365+05	.950E-01
.610E-01	.100E+01	.37~E=00	.8915-62	-1716+02	*:145.02	.1055+04	10-3220.	.2315+01	.100[+03	.9506-01
1251 - 05	1003001	.S.A.E01	3571+03	\$9037P.	.304F+02 .153E+03	.1715+04 .3415+04	.951r-ni	.337£+01	.164[+03	.951E~01
FAILLE TO C	GAAEHEE -									
.182F+92	1005+01	09+3+00·	.3530.03	•4005•00	.00GF+00	.0005+00	.734r-n2	.1005.01	.0002.00	.7345-02
.7136+02	.976E-06	.00-T-00	.353r.n3 .353r.n3	.004E+40	.0007.00	.0007+00	20-36-02 20-3685	.100F+01	.00+300u*	.453f-02 .20-3645.
.774F+07	91/6-00	.00+1400 .00+1400	.353r+r3	.090E+8H	.000F+00	.4006+00	.173E-02	1005.01	.0001.00	.1701-02
	-	10000		.0002-60	.9005.00	.003500	1031-02	1043601.	.0001-00	.103[-07
VAI ♥ .750F	-91	SKFI	۵	الإيان	N74P	FARVEL	DENSTY	DENRAT	2405	GTHER
			•		•		-5-44-1			₩1¢™
FAILED TO C	1005-01	+11/E+01	.225: .67	14965.11	.0.16-00	.3175+03	,750g-n1	.133F+01	.237[+02	.750g-01
.^10[•01 .014[+01	100-1001.	.750F*00 20*30*¢	.5:4F-n2	ingape.	.400F.01	.7036+03	,75Ve-n1	10+3+81.	•25,6+05	.756[-01
1576-62	1003201	*31£*00	1395-03	\$465.45	*1146.04	.1216-U#	,750e-n1 ,750r-n1	.2625+01	.9075+02	.750E-01 .750E-01
F21LED TO C	OYVERGE.								-	• • •
.1625-25	1001-01	•09uf•00	.1595+03	9103996	.00CF-00	.0002+00	,7345-02	1005+01	.0001-00	.7345-07
.713F+02 ./43F+52	.970E-60	.00-1-co	.159r+03 .159F+03	.00+3400.	.0017.60	.0005+00	453r-02 283r-02	1-1005+01	.0001-00	\$0-3£24. \$0-3£8§.
.274F+D2 .305f+C2	36-3016.	.00-1-00	.159F+63	•6466+88	.0001-00	09-3000	1745-112	.1006.01	.000[-00	.17cf-02
	. 07-1-00		4 8 77 7 41/3	*000E+C0	.6005.60	.000[•00	303c-05	.180F+61	.3006.00	1016-02

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O. THERMAL FLUX PRINTOUT

•	Cust	RMIN								
1963061.	.CO0E+00	*500E+00								
JUNE . JAV	•02	HKF1	q	(IVP	0145	PAHVEL	DENSTY	GERRAT	KHOJ	UTHER
.001 00	.1045+01	.103[+01	. JOOF - 02	./22E+01	1186.01	.1246+03	1025-00	.1336.01	.334F+02	-300E+02
10, .01 10+391A,	10.3001.	*80^E-0^	.300F+02	10+30601	.1325,01	.391F+03	744F-01	1916.01	.312F.02	*300E+05
.9146+31	10+3601.	. 471E-00	.3000-02	.4776.01	.1745.01	.5755.03	48/6-61	.1706-05	.250[+02	*301E * US
.122f • 02	10+3661.	.0006-00	.3005.02	.3456+01	.1945.01	.664F+63	357r-n1	.217[+0]	.245E+02	.300£+02
.:026.02	.10UF+01	10+3601.	.3000-02	.2916.01	.205F+01	.10+F+04	1775-51	.741F+61 .269F+01	.1495+02	3005+07
.213E+02 ",243E+02	1004.01	.10/E+01	.3000-02	.733g.+01	.1967+01	,172F+04 ,143F+04	1245-01	.20AF+03	.1216.05	.300E+07
.274E+02	10+300:	1106+01	.300r+02	.155C+01	.180F+01	.1725+04	5A0F-07	.333r+n1	.71[+01 .765[+01	.300E+02
	.1005+01	·120E•#1	*3000 41.2	*******	*******	2007	. 30-1-111		*********	***************************************
VAL .75uf	+1)2 4	RKFI	Q	640	DTAP	PARVEL	OFMSIT	DENRAT	HHOU	OTHER
.000E+00	.100E+01	.1145+01 .111E+01	.250F+02	.51,5+01	.474E-00	.2mnf+03	746F-01	.124F+71 .135F+01	.261E+05	.250€+02
.4105.01	.100E+01	1005963	.2505+02	14+3619	+110F+01	.414E-13	5965-01	.1446+01	-247E-05	.250E+02
.914E+01	1005.01	.100g-01	.250r+n2 .250r+n2	.476£+01	.126Fc01	.505F+03 .600F+03	332F-n1	.1605+C1 .176E+O1	.1995+05	.250E+02 .250E+07
.1576+02	.1008+01	.111F+0:	.2501+62	.2H4E+01	.:375.01	.760F+n3	.231r-n1	.1955+01	,171E+02	.2505+02
.1625492	.1002+01	.113E+01	.250r.62	1915+01	.1455.01	.904;•r3	163r-n1	.271F+01	.148E+05	.2506+02
.243E+02	.1005+01	.1226+41	.2505+02	.1556-01	.1355.01	.1276+04	2492-05	.2756.01	.469E.01	.250E+02
.2745+02	1007.01	.17/E+01 .131F+01	.250r.n?	.1256+01	.129F.01	.1515.04	521r-n2 3527-n2	.30/F+01 :340E+01	.750E.n1 .437F.01	.250E+07
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ALT		PKFI		DAL	Drap	PARVEL	DENSTY	DEMRAT	#H09	OTHER
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.4106.01	.1002.01	.1715-01	\$105+02	.JATE+OI	.7415-00	.3475+03	.5675-01	1346+01	1956.02	.20+3u0S.
,914E+11 ,1771,412	1000+01	.1716+01	.7005+02	.331E+01	.#58F-00		3045-01	.150E+01	.185F+02 .157F+02	.200E+02
.1578402	.100F+01	.17-2-01	.2000-02	.725E+#1	.4975-00	.6275+03	2125-01	.1805-01	.1335.02	*500E+02
.213g+42	.1006+01	20g-ml	2005-02	.1466.01	. Gaffello		1015-01	.201F•n1	.114[.02	.200[+02
.243[+02	1005+61	110+1111	.500L-13	.1216+01	.8485-00	*103E+04	.7015477	.7495+01	.765[-01	*500E+02
.7/46+02	.100F+01	.14cf+01	.2000-02	.0036-00	.A745-00		319:-47	.3395.01	.4197.63	.200E+02
Vala .15c		•								
ALT .0001 +20	1905 +01	HK41	.15007	.*# \$062.01	NYMP	.107E+03	**************************************	\$114E+01	.1 ₄ 0E+02	014FH 150F+02
3051+61	1047.01	.145F+01	.150r.n2	3525-01	00-16ef.	./375+43	* 40 st- 41	.1746+01	1645.05	-1506+02
.4106+11	.109F+01	. 546[+ 61	.1500-02	.3656.61	.443F-GO		531r-nt	1305-01	\$0+71¢1.	.150E-02 .150E-02
1251+05	.1007+01	.137F-01	.1501.62	10.3143.	.5721-00		.283c-01	.1505.01	1175-02	1500.05
.152[+0/	.:005+01	•145F+01	.150r+r?	.170E+61	\$295-06		1915-01	.1626.01	.7185.01	.150E+02
.167[+62	1005-01	.140F+01	.150r.n?	.1106+01	.5191-00	.742F+03	1315-01	.1975.01	. n-1F-61	.150E+02
.2436-02	.100F+01	.1564-61	.150r-r2	00-3545	.5;9:-PC	£0+}[9s. #0+J%0}.	.4175-H2	.714F+01 ,744F+01	10•3¢62.	.150E+02
3037+02	.100F*01	.144F-61 .347F+61	.1500.67	**1*£=0A	.5031-00		2415-02	.2725+01	3635-63	-150F+n2
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.,14	.:gur•ni	.learant	. 1005162	+1456+01	.2458-00	2570003	*******	.1701	1941+01	\$0.3001.
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